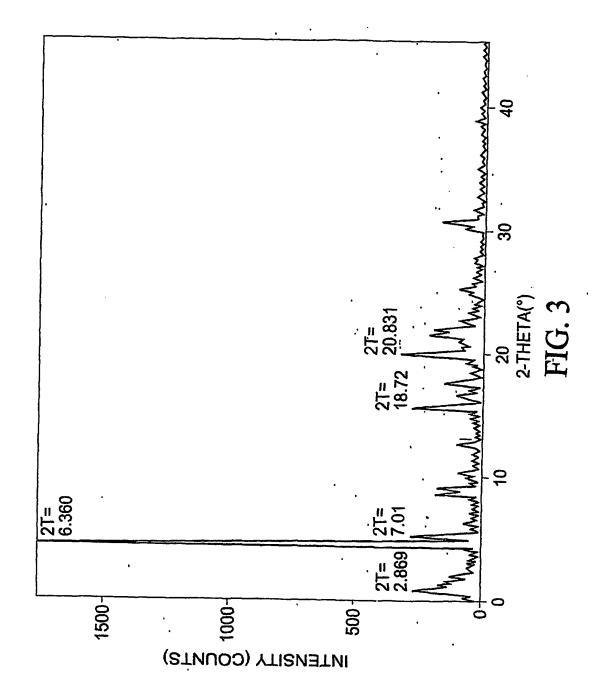
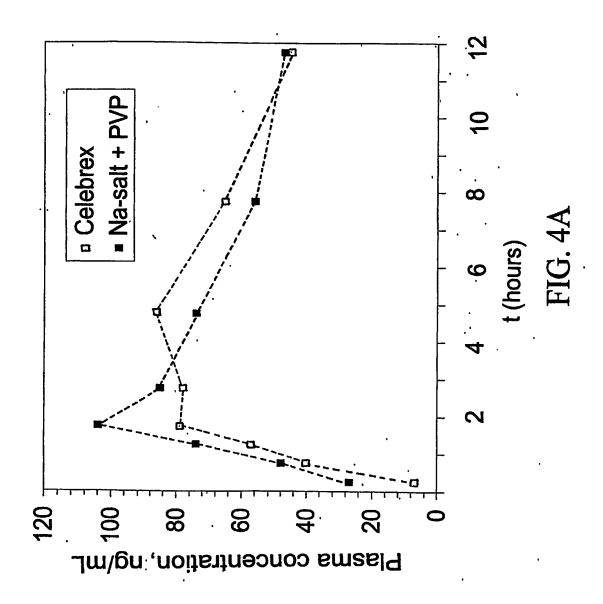


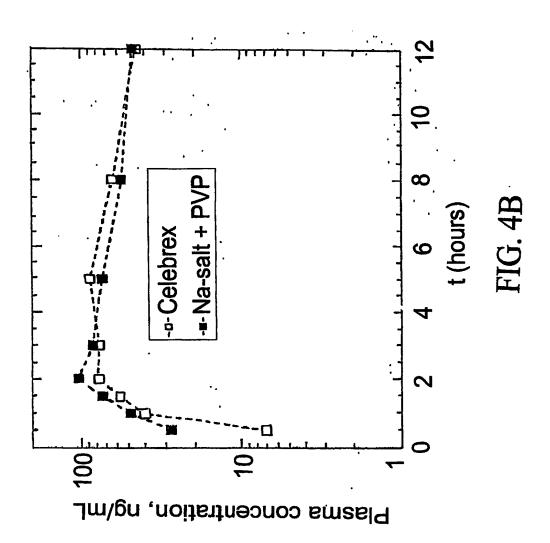
SUBSTITUTE SHEET (RULE 26)



SUBSTITUTE SHEET (RULE 26)



SUBSTITUTE SHEET (RULE 26)



		Perce	nt Mass wi	Percent Mass with respect to TPI-336 freeacid content	o TPI-336 f	reeacid co	ntent
Formulation					Pluronic	Pluronic Pluronic	
# & Dosing	TPI-336 Form	HPC	TPGS	Avicel	F127	L44	PEG400
1 – IV	Freeacid	3	-	1	ł		ŧ
2 – Oral	Freeacid	100	٠100	20	-		-
3 – Oral	Celebrex (<i>i.e.</i> , freeacid)	1	-	••• •	1		1
4 – Oral	Na Hydrate	100	100	**		-	•
5 – Oral	Na Hydrate	100	100	· 0 9			1
6 – Oral	Na PG Solvate	.100	100		1	-	1
7 – Oral	Na Hydrate	·100	-		· 100		1
8 – Oral	Na Hydrate ·	100	į	-	100	. 40	I
9 – Oral	Na Hydrate	100			100	•	40

FIG. 5A

- 11			1		_	-	_		7			_	_										
	£/6/)	(%) L	40.5	(15.45)		Š Z	29.80	(17.14)	103.2	(12.82)	89.15	(9.70)	99 43	(3,68)	109.4	(14.92)	97.82	(3.36)	108.9	(0.57)	7	95.9	(0.68)
	CL/F	(mL/hr•kg)	798	(317)	278	(22)	1072	(292)	281	(107)	311	(72)	318	. (84)	, 225	(40.3)	366	(29)	238	(38)		225	(22)
	t k	(h	9.3	(3.5)	8.2	(2.9)	8.5	(2.0)	1.7	(3.7)	9.0	(2.7)	7.1	(2.5)	7.7	(1.2)	6.1	(5.9)	9.0	(1.8)	, ;	0°.5	(3.2)
	AUC(I)	(ng•hr/mL)	7663	(3119)	3808	(933)	7290	(5624)	10100	(4729)	17031	(4263)	24994	(7596)	22711	(4043)	14669	(2496)	22365	(3448)	14070	74377	(2469)
	Tmax	(hr)	1.25	(0.88)	MA	<u>Ş</u> `	2.7	(1.5)	4.0	(0.1)	0.75	(0.27)	0.80	(0.29)	9.0	(0.3)	1.0	(0.0)	0.5	(0.0)	1 0	C.)	(0.0)
	Cmax	(ng/mL)	654	(199)	718	(91)	622	(484)	1635	(144)	2495	(089)	3445	(646)	2955	(794)	2276	(272)	3411	(529)	24.04	1710	(119)
Moon	dose	(mg/kg)	5.09	(0.05)	1.0	(0.00)	5.14	(0.124)	2.85	(0.27)	5.05	(0.12)	7.54	(0.24)	4.89	(0.49)	5.29	(0.07)	5.26	(0.03)	7 AK	2 6	(0.06)
	Route		Oral	5	2	:	Oral		Oral		C	j)	Orai	Çia	Oral	5		ğ	Cro	5		Og O	
	Formulation ID		Celebrexa		Celecoxiba		Celecoxib free	יייייייייייייייייייייייייייייייייייייי	Celecoxib	Na/HPC/1PGS	Celecoxib	Na/HPC/TPGS"	Celecoxib	Na/HPC/TPGS ^b	Celecoxib Na	PG/HPC/TPGS°	Celecoxib	Na/HPC/F127°	Celecoxib	Na/HPC/F127/L44°	Celecoxib	Na/HPC/F127/	PEG400°

FIG 5B

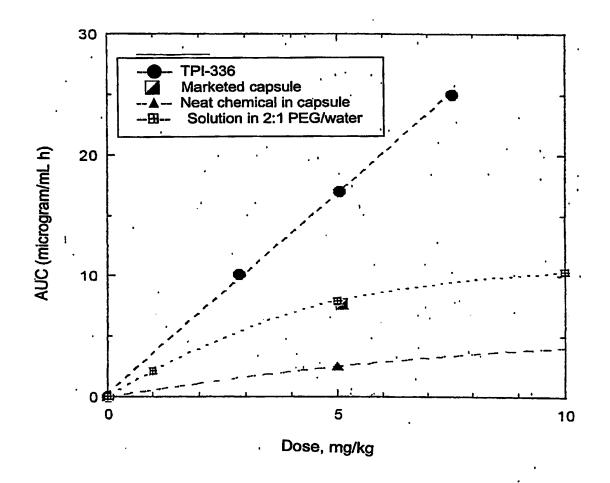


FIG. 5C

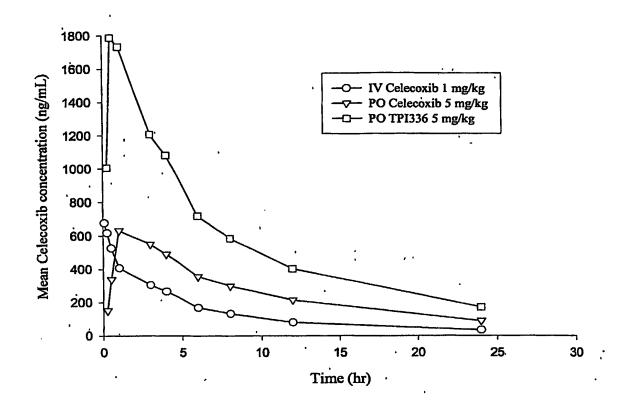
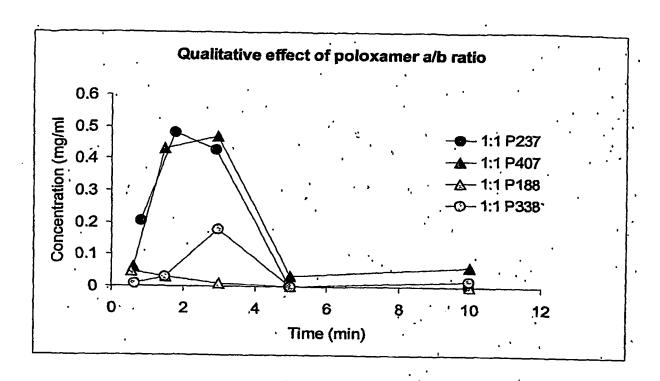


FIG. 6

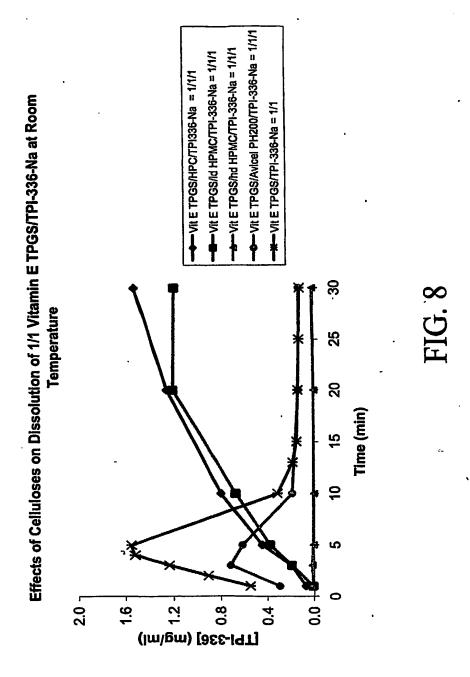


Poloxamer	Physical form	, a	ь	Average molecular weight
·124	Liquid	12	20	2090-2360
188	PASSIBLE !	80	27	7680-9510
		64	37	6840-8830
398	Sold is	141	44	12 700-17 400
		101	56	9840-14 600

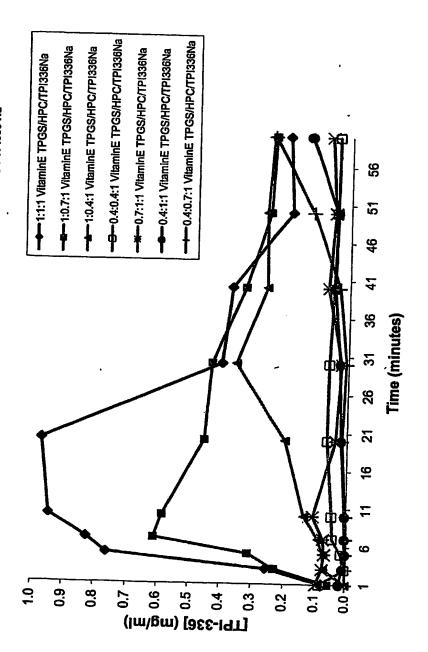
Percent a	Percent b	Ratio a/b
0.38	0.63	0.60
0.75	0.25	2.96
· ·		1.73
0.76	0.24	3.20
	· · · · · · · · · · · · · · · · · · ·	1.80

 $HO(C_2H_4O)_a(C_3H_6O)_b(C_2H_4O)_aH_1$

FIG. 7

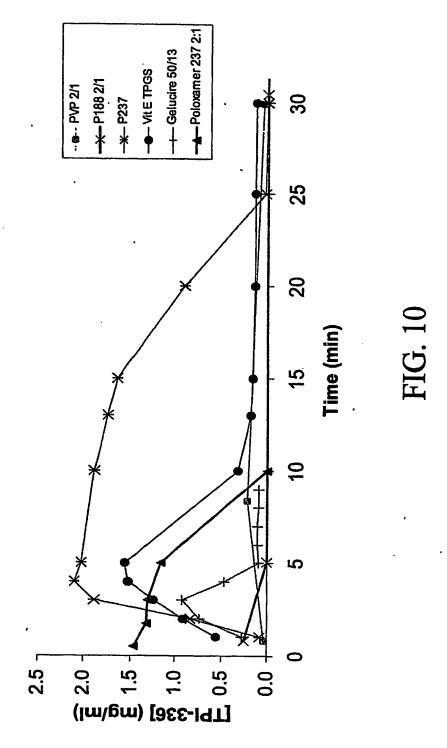


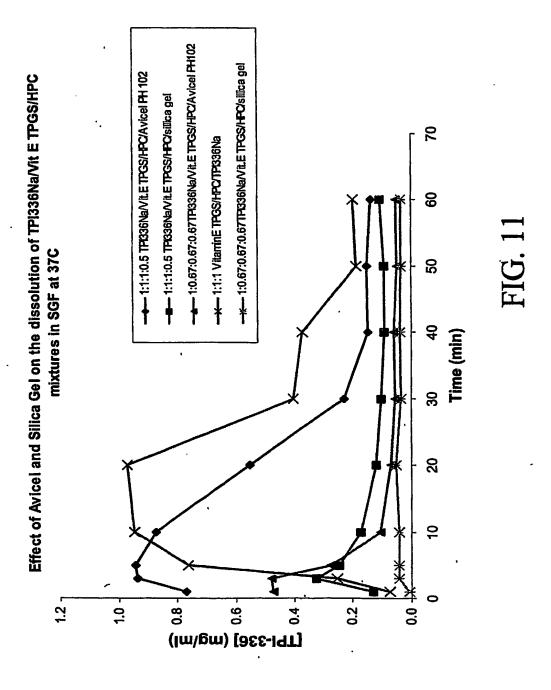
Dissolution Test at 37C for Various Ratio of Vitamin E TPGS : HP-Cellulose : TPI336 Na



SUBSTITUTE SHEET (RULE 26)

Dissolution profile of TPI-336-Na in SGF from solid mixtures with excipients at room temperature

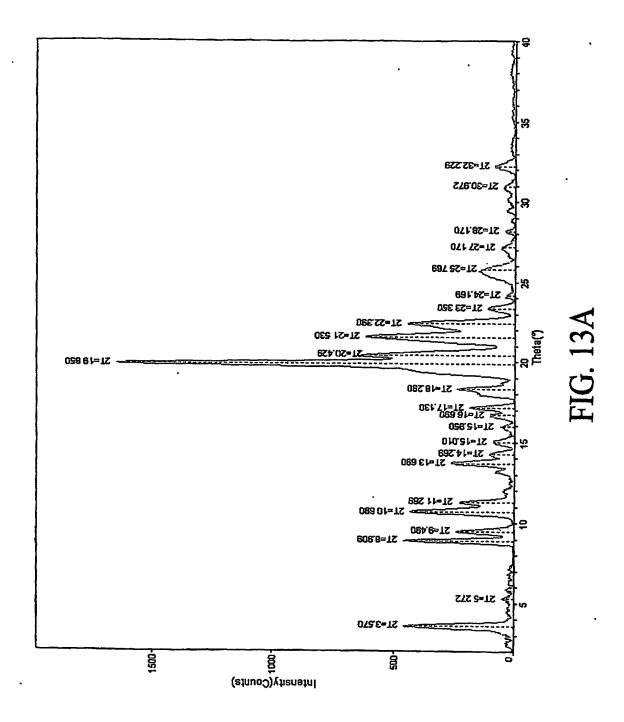




SUBSTITUTE SHEET (RULE 26)

2 — 1:1:1 VitaminE TPGS/HPC/TPI336Na -4-1:1:1 VitaminE TPGS/TPI336Na -- 1:1 Poloxamer237/TPI336Na -4- 1:1 Poloxamer237/HPC 8 Dissolution of TPI336Na at 37C in 5X diluted SGF 20 8 Time (min) 39 8 0.00 2.00 ا 1.75 Concentration (mg/ml) 1.50 0.50 0.25

SUBSTITUTE SHEET (RULE 26)



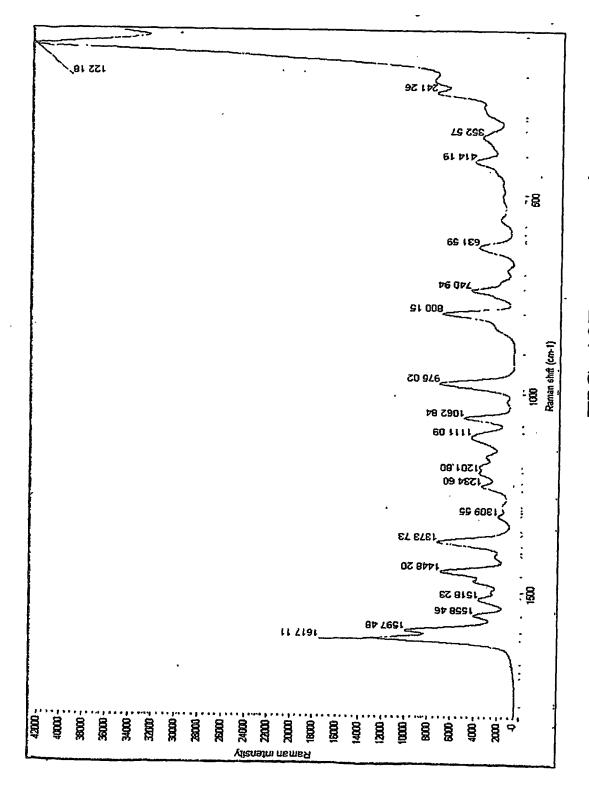
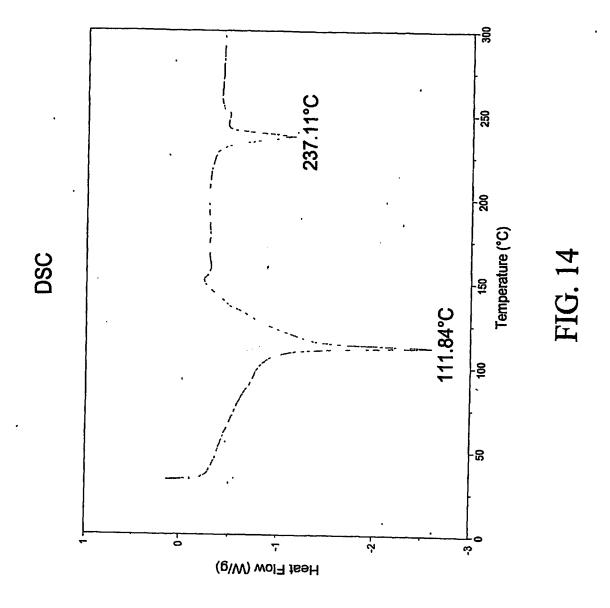
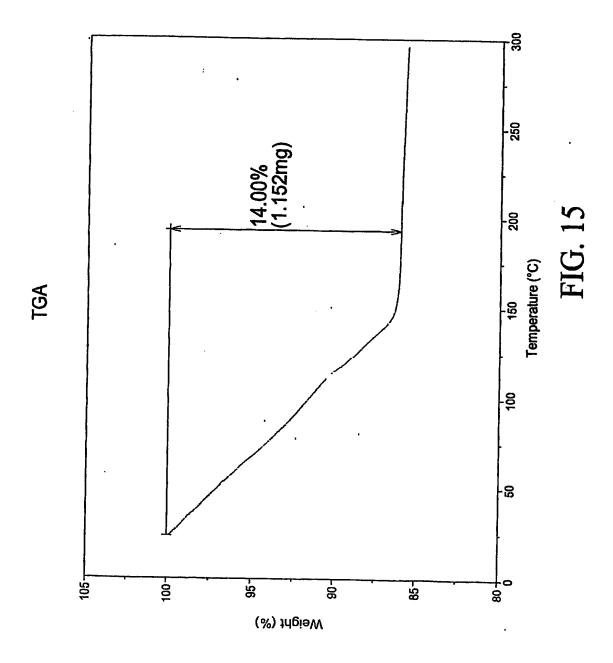
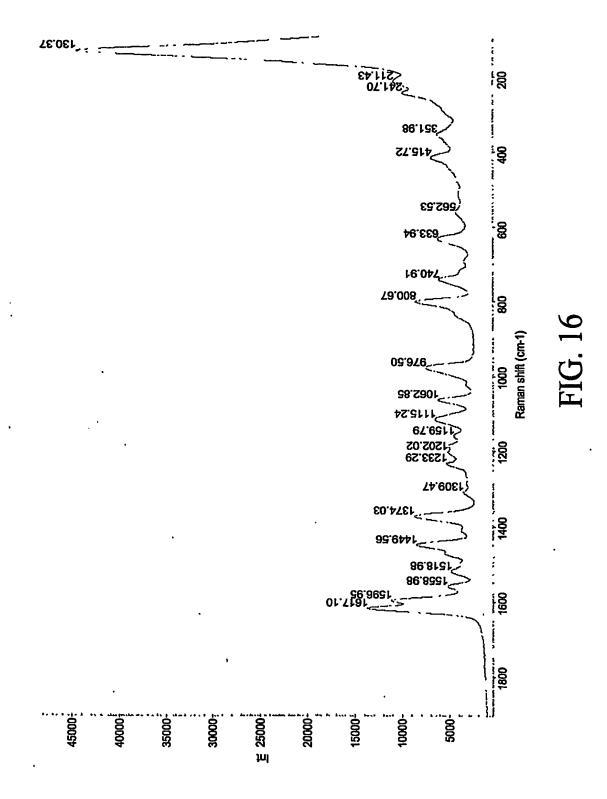


FIG. 13B

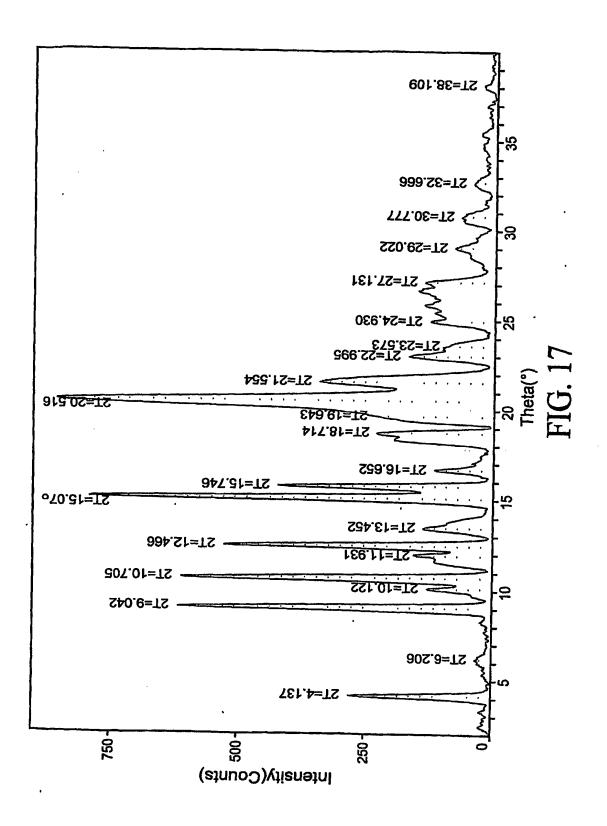


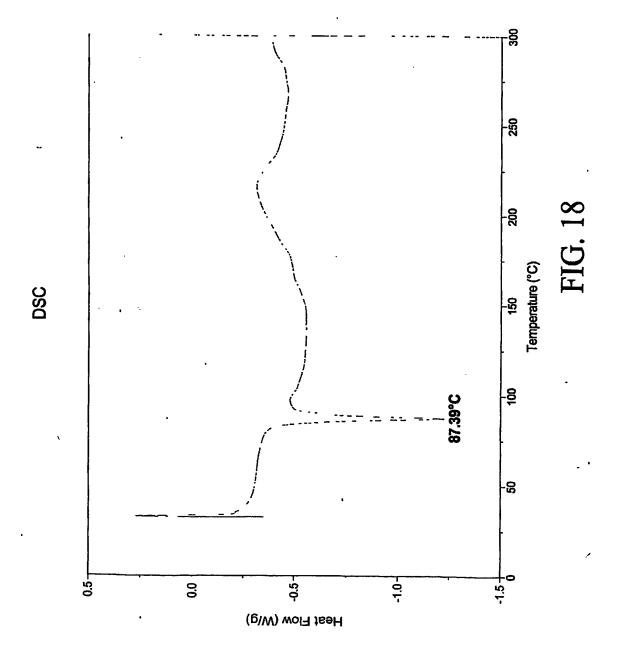


SUBSTITUTE SHEET (RULE 26)

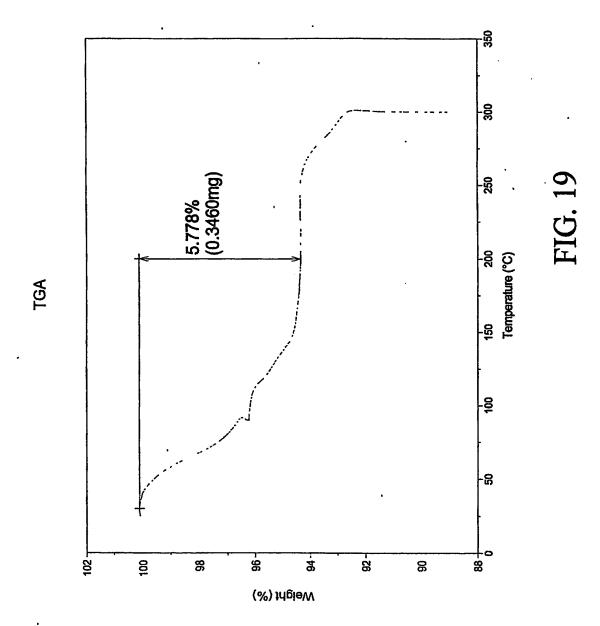


SUBSTITUTE SHEET (RULE 26)

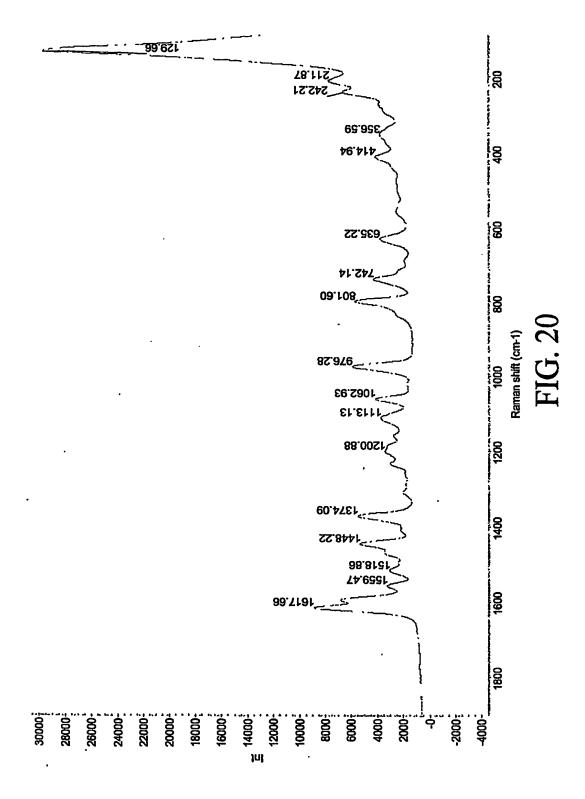




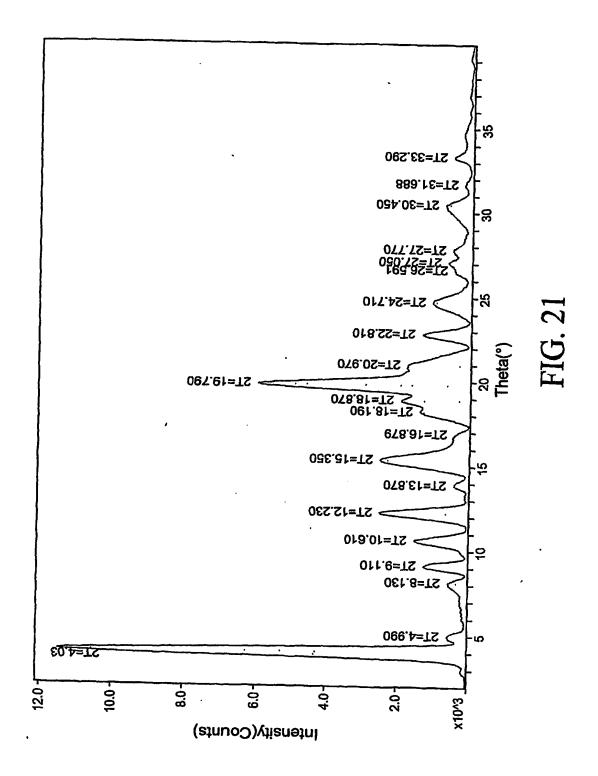
SUBSTITUTE SHEET (RULE 26)



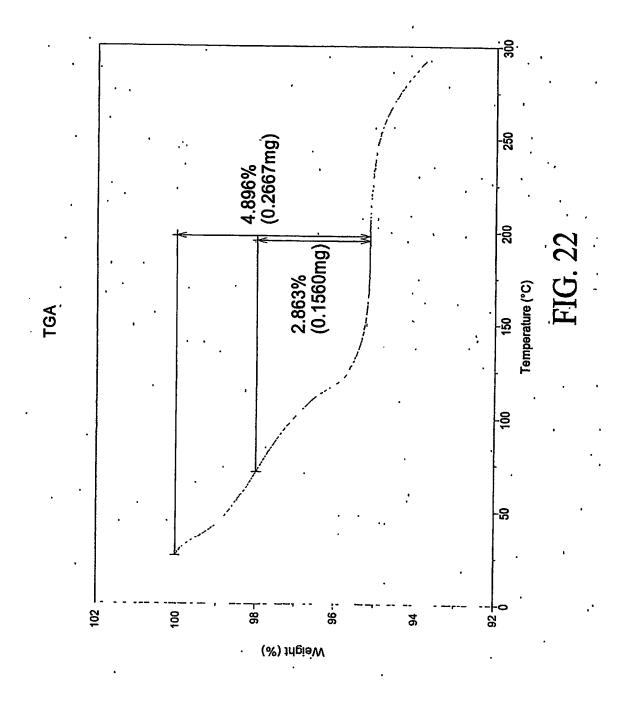
SUBSTITUTE SHEET (RULE 26)



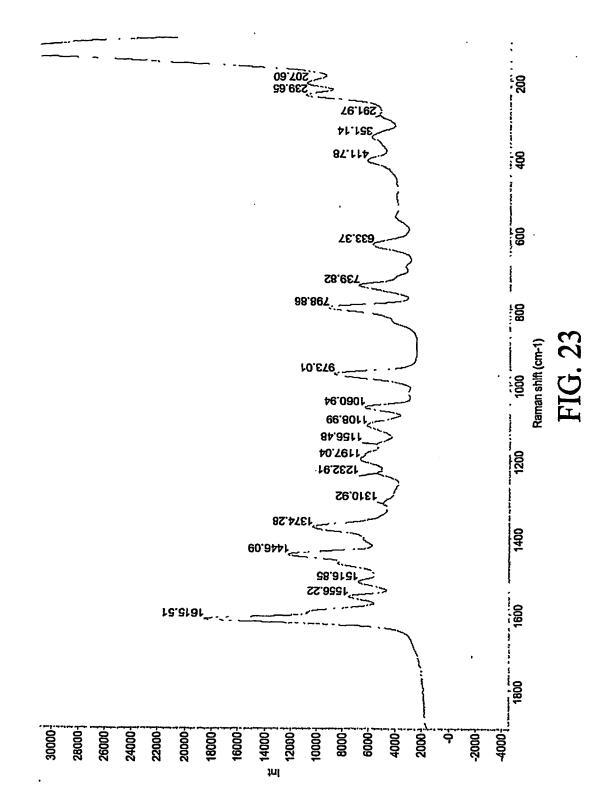
SUBSTITUTE SHEET (RULE 26)



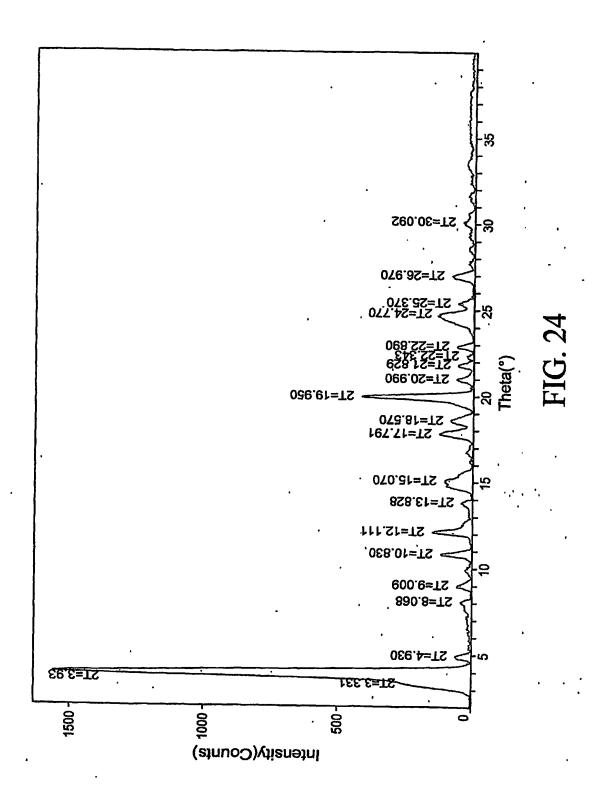
SUBSTITUTE SHEET (RULE 26)



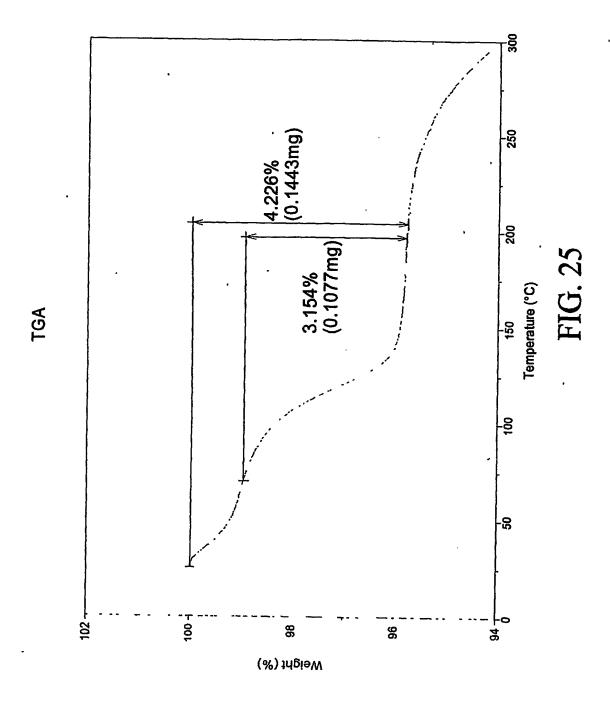
SUBSTITUTE SHEET (RULE 26)



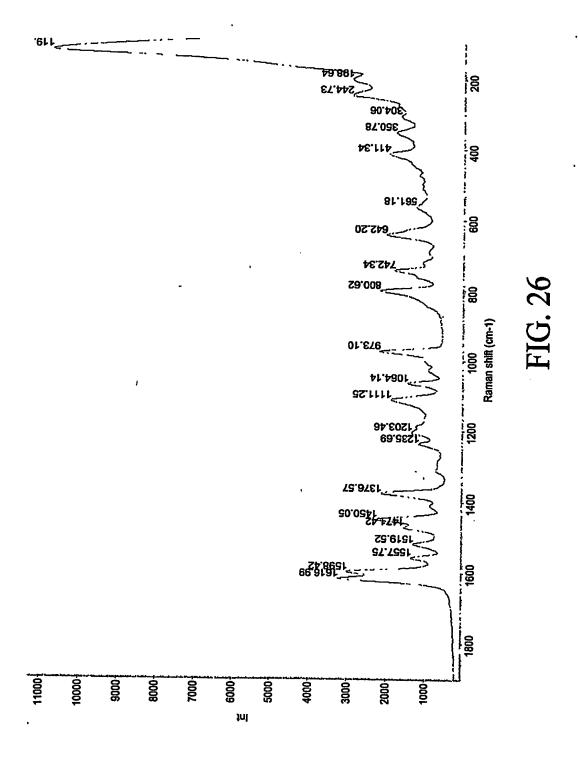
SUBSTITUTE SHEET (RULE 26)



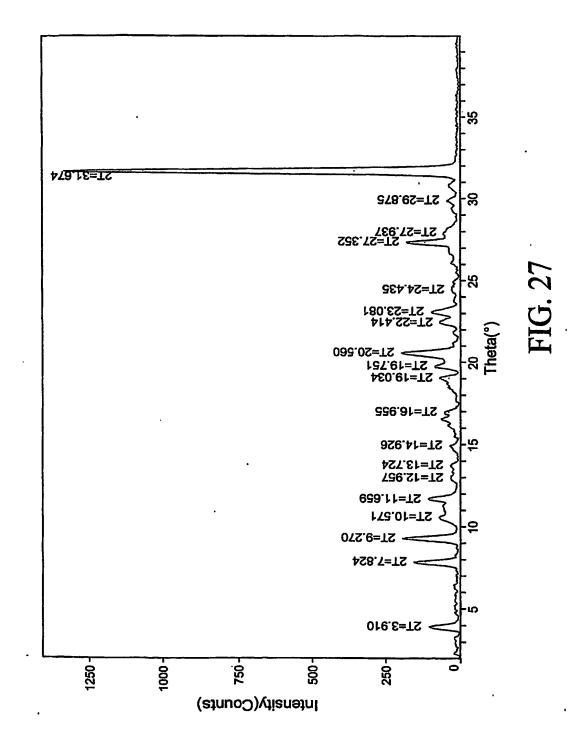
SUBSTITUTE SHEET (RULE 26)



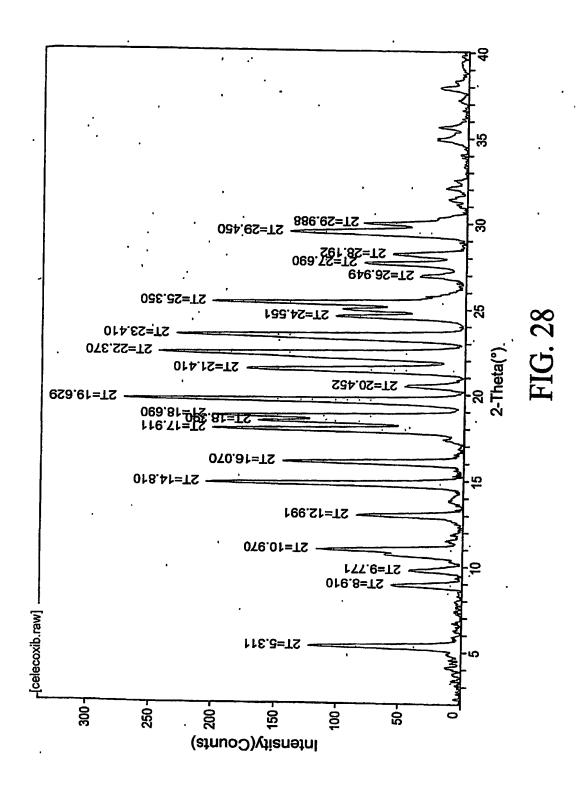
SUBSTITUTE SHEET (RULE 26)



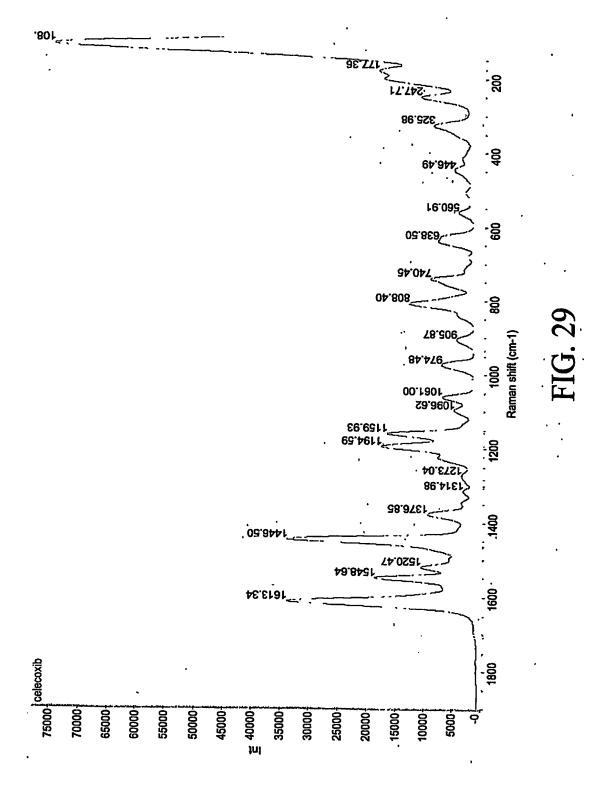
SUBSTITUTE SHEET (RULE 26)



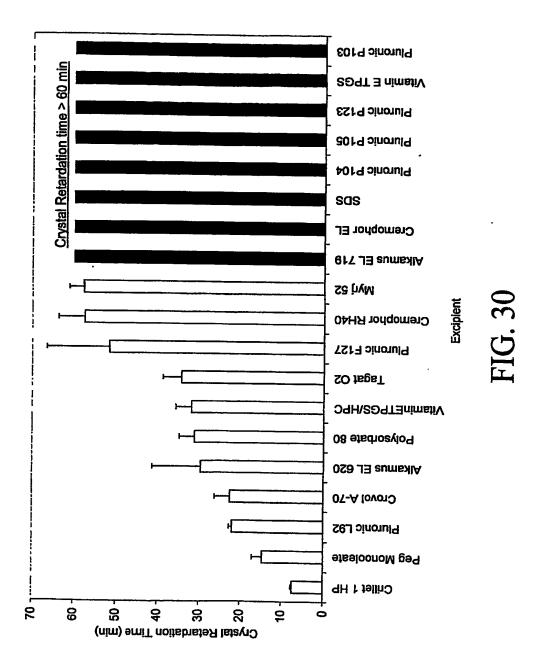
SUBSTITUTE SHEET (RULE 26)



SUBSTITUTE SHEET (RULE 26)



SUBSTITUTE SHEET (RULE 26)



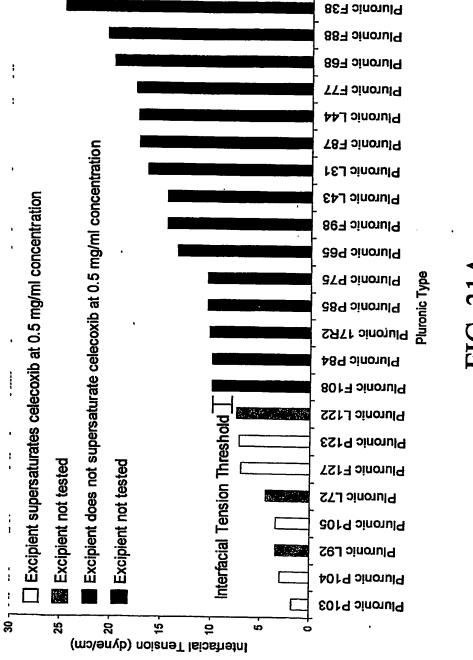
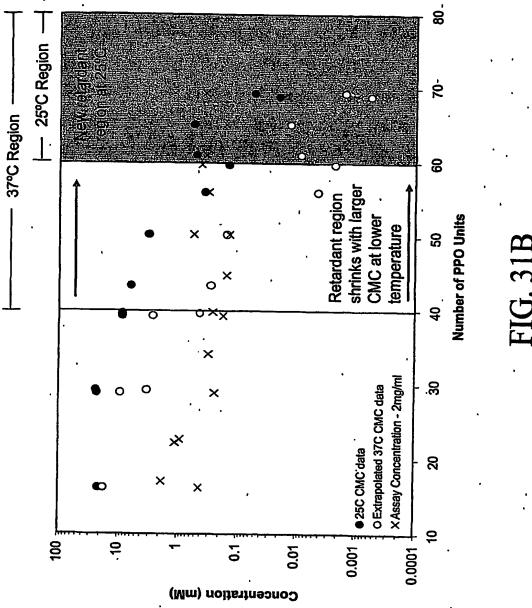


FIG. 31A



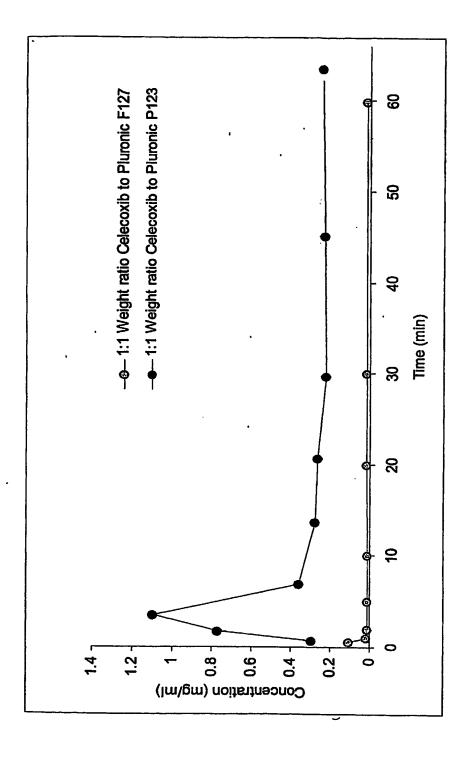


FIG. 32

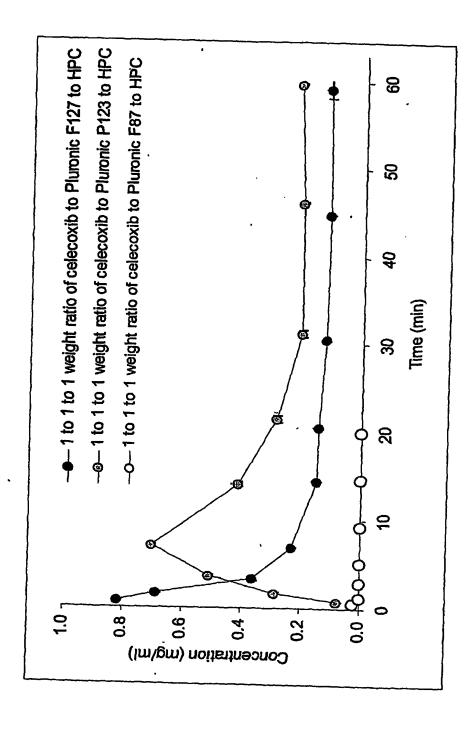
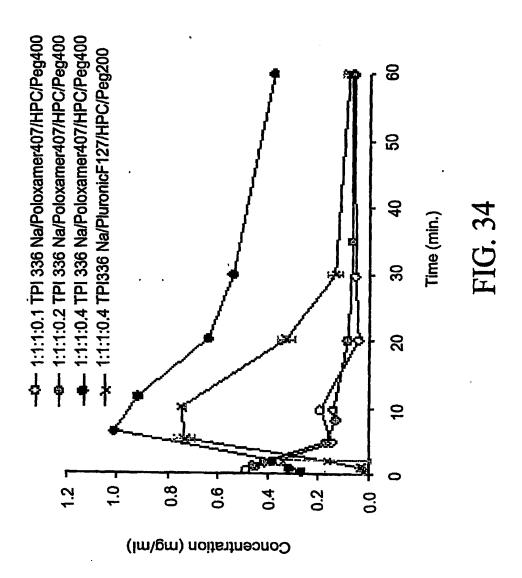
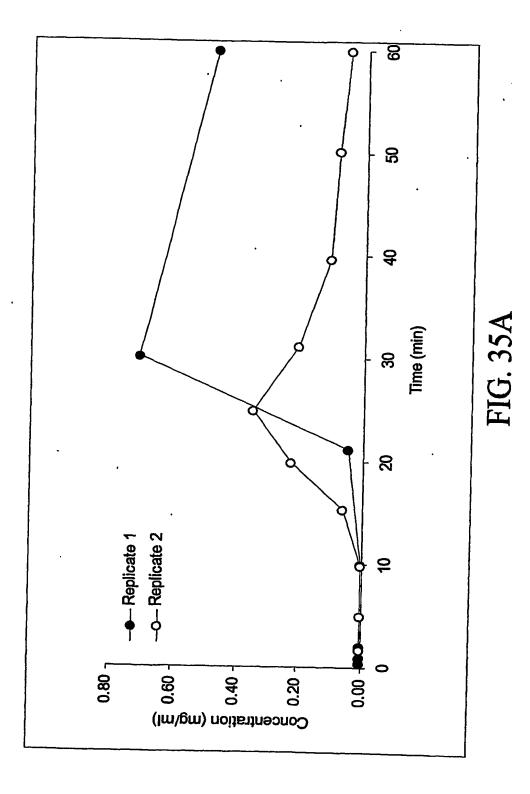


FIG. 3.

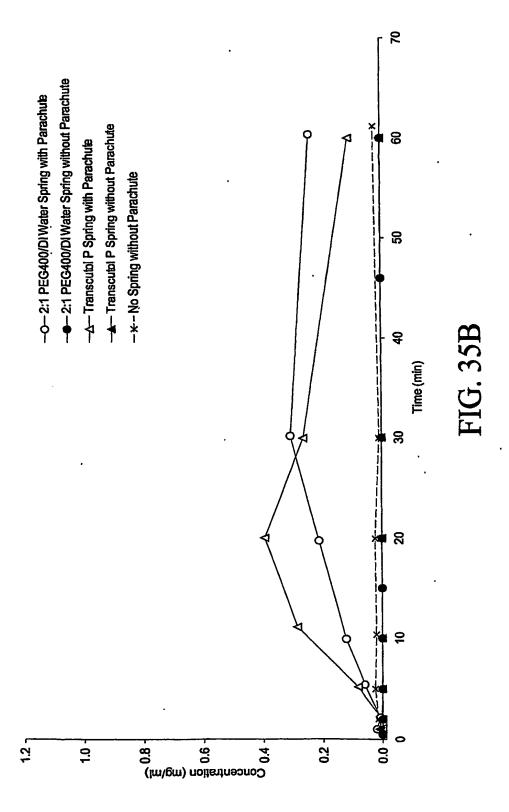
SUBSTITUTE SHEET (RULE 26)



SUBSTITUTE SHEET (RULE 26)



SUBSTITUTE SHEET (RULE 26)



SUBSTITUTE SHEET (RULE 26)

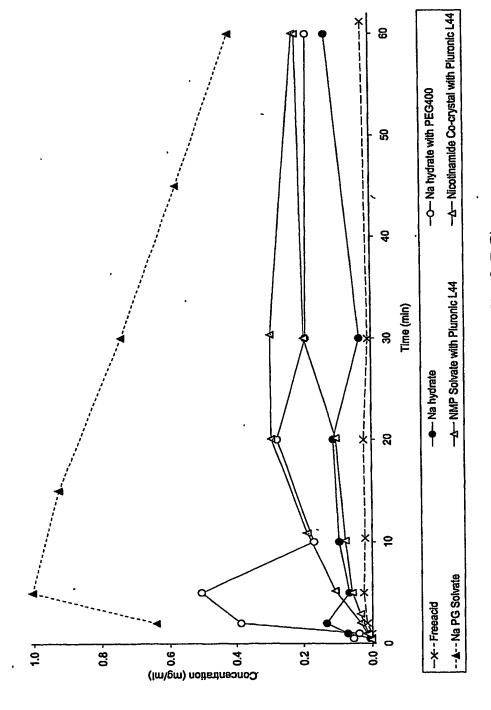


FIG. 35C

SUBSTITUTE SHEET (RULE 26)

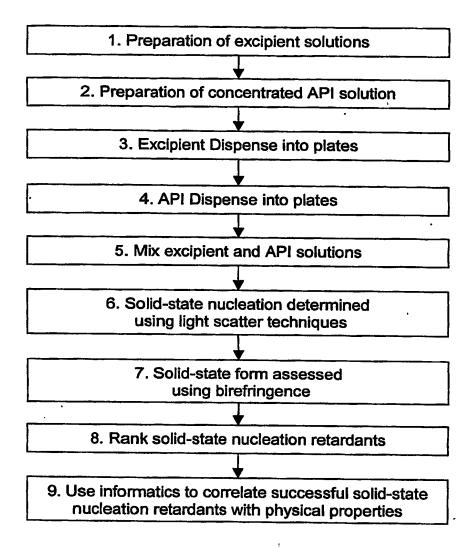


FIG. 36

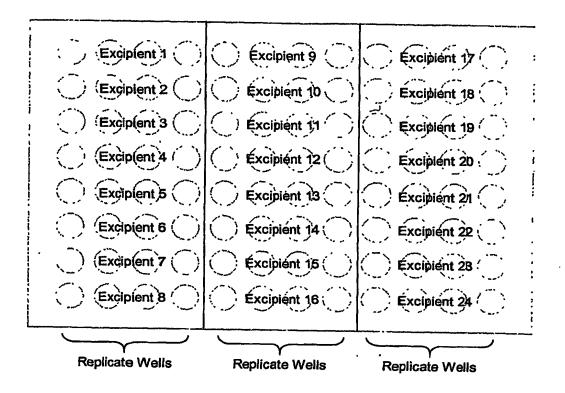


FIG. 37

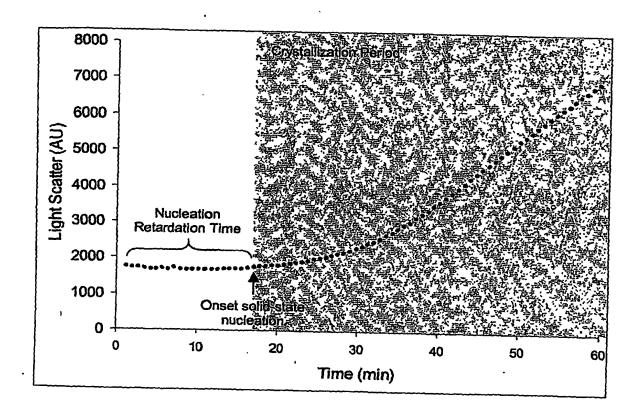
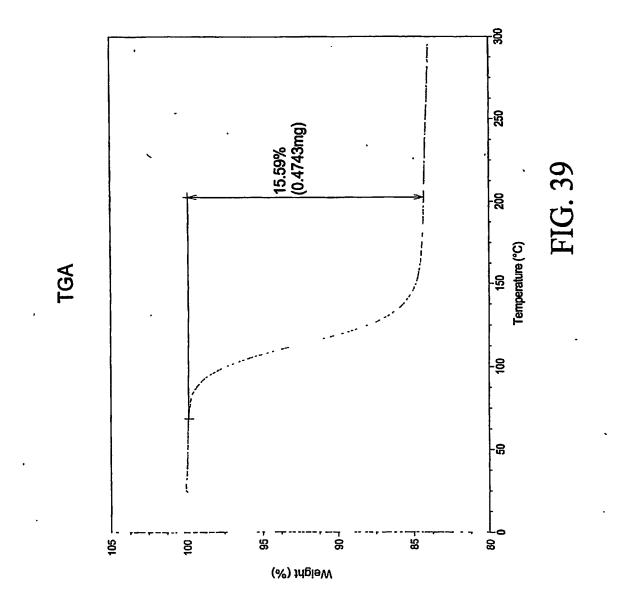
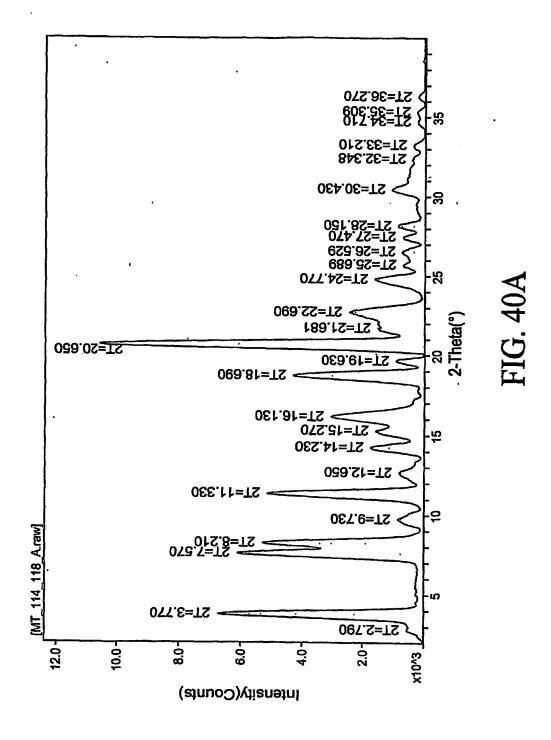


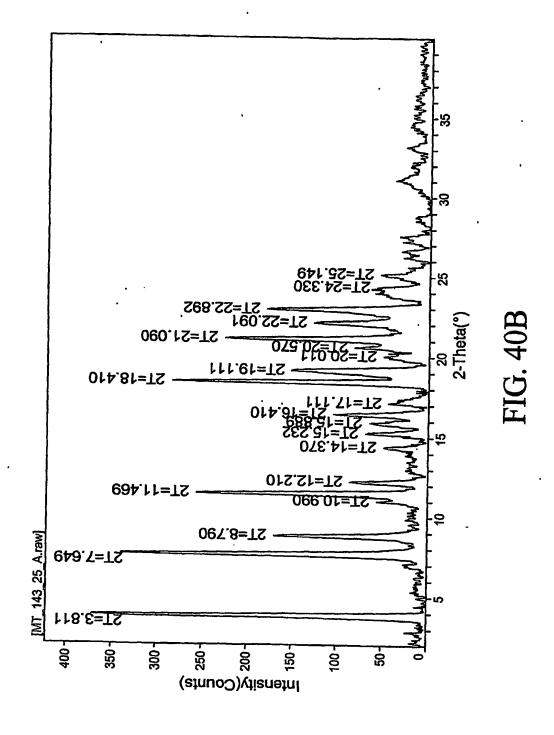
FIG. 38



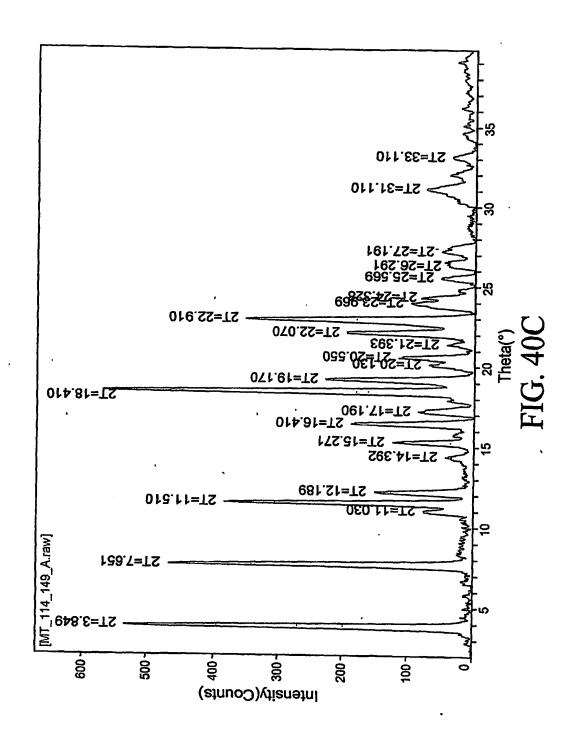
SUBSTITUTE SHEET (RULE 26)



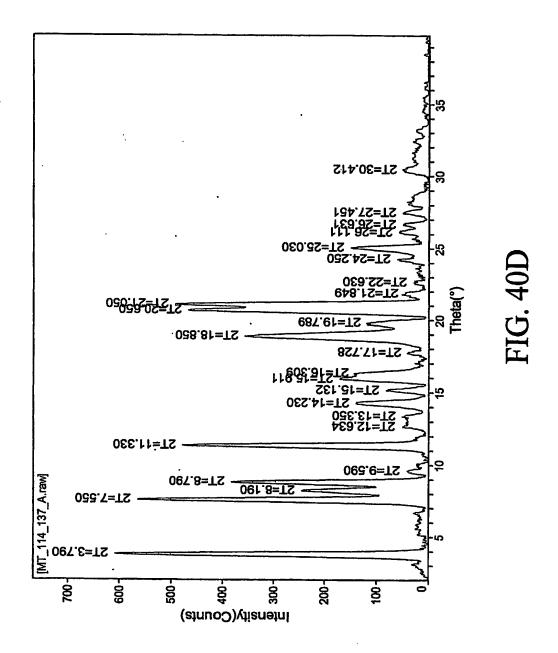
SUBSTITUTE SHEET (RULE 26)



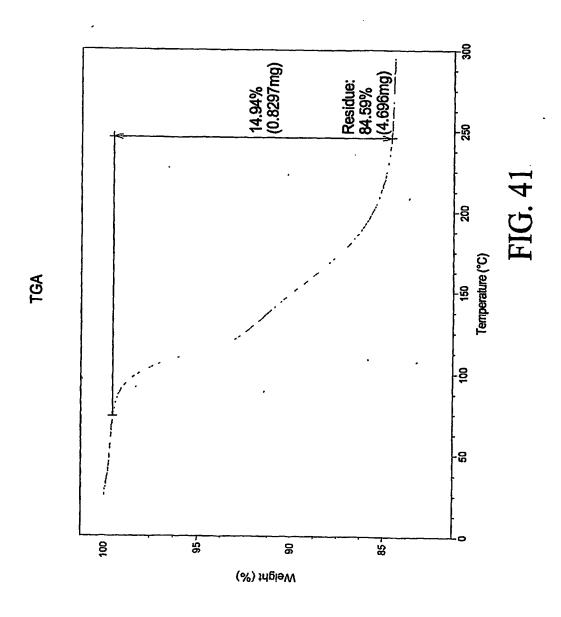
SUBSTITUTE SHEET (RULE 26)



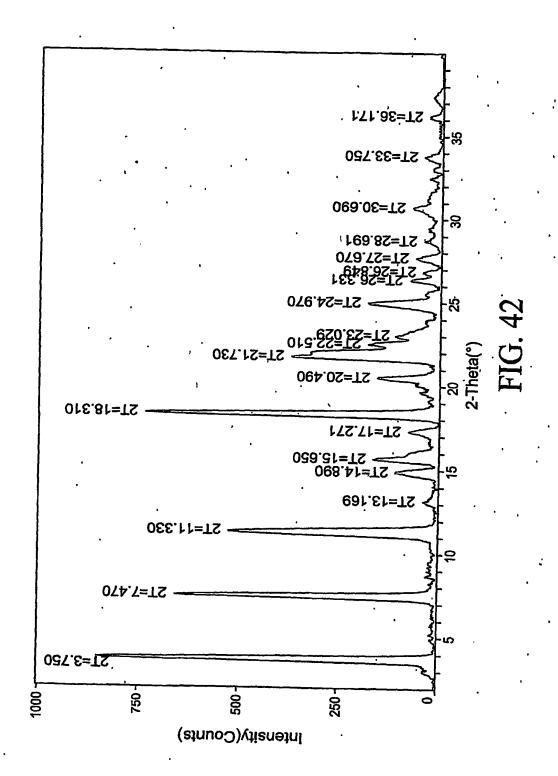
SUBSTITUTE SHEET (RULE 26)

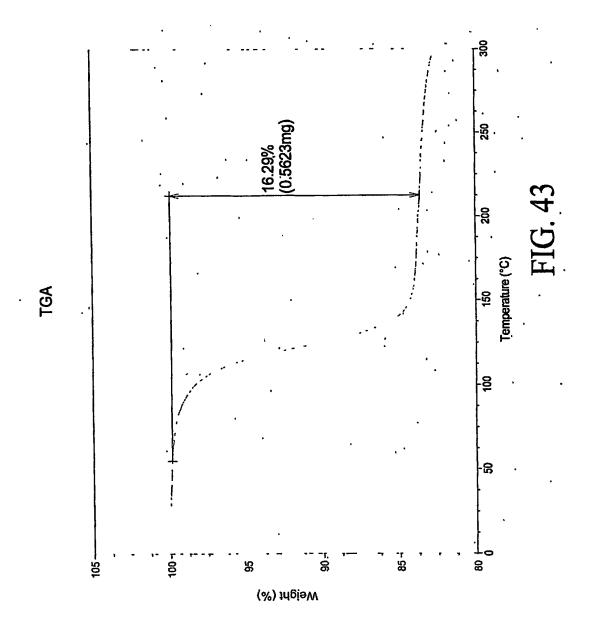


SUBSTITUTE SHEET (RULE 26)

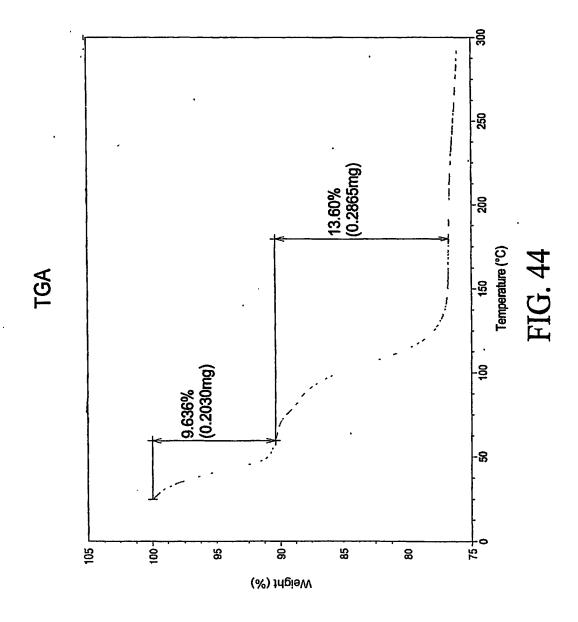


SUBSTITUTE SHEET (RULE 26)

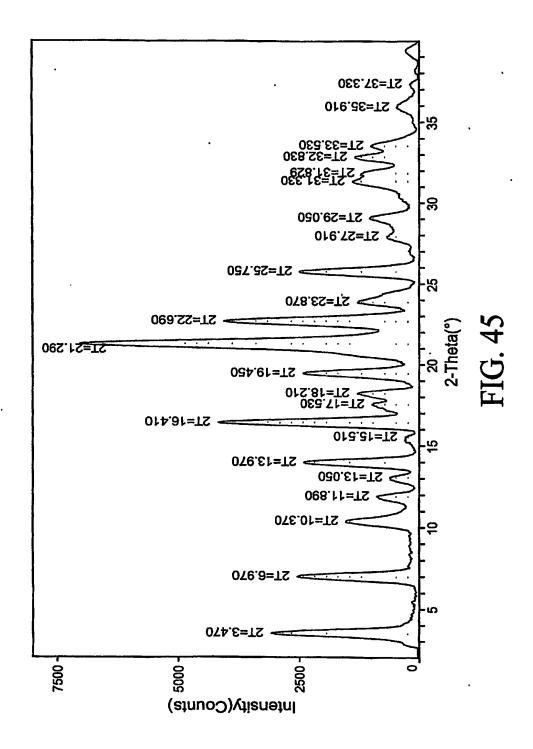




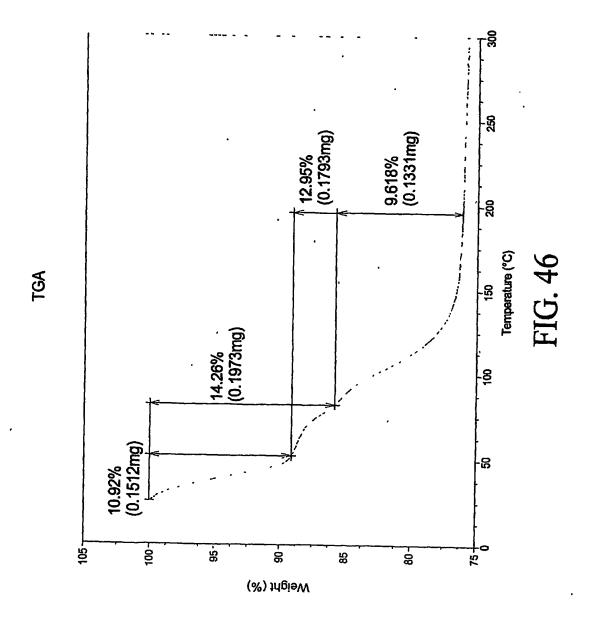
SUBSTITUTE SHEET (RULE 26)

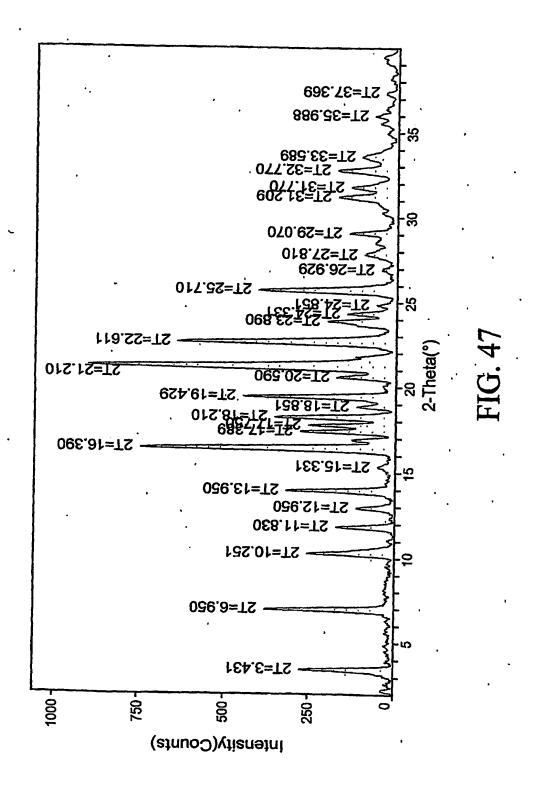


SUBSTITUTE SHEET (RULE 26)

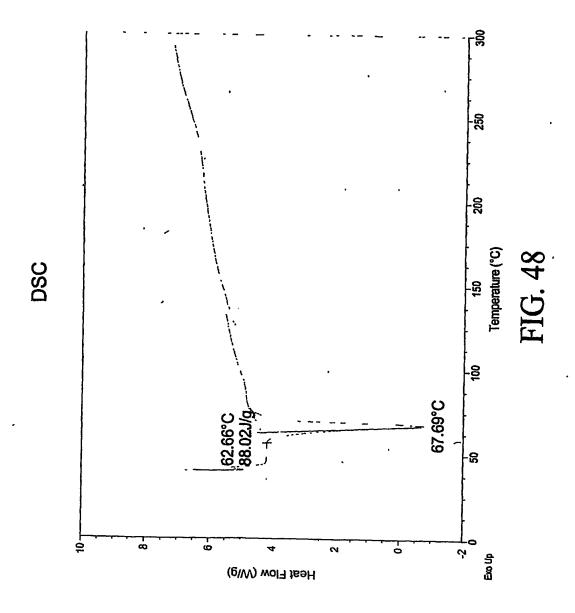


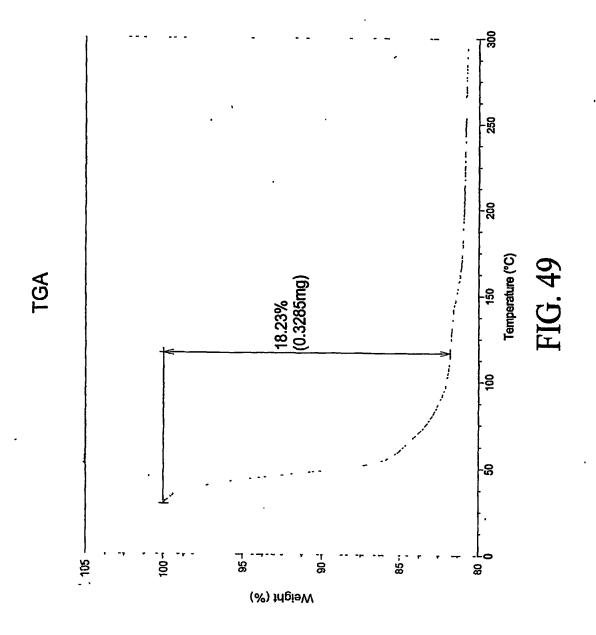
SUBSTITUTE SHEET (RULE 26)



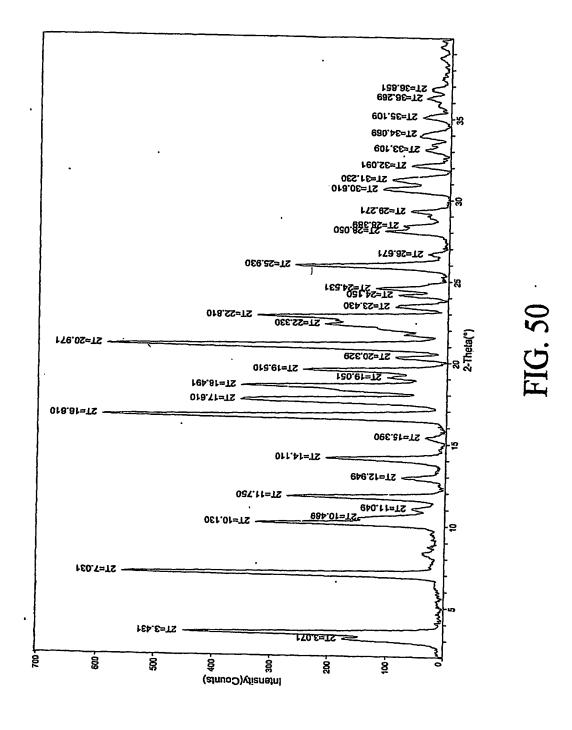


SUBSTITUTE SHEET (RULE 26)

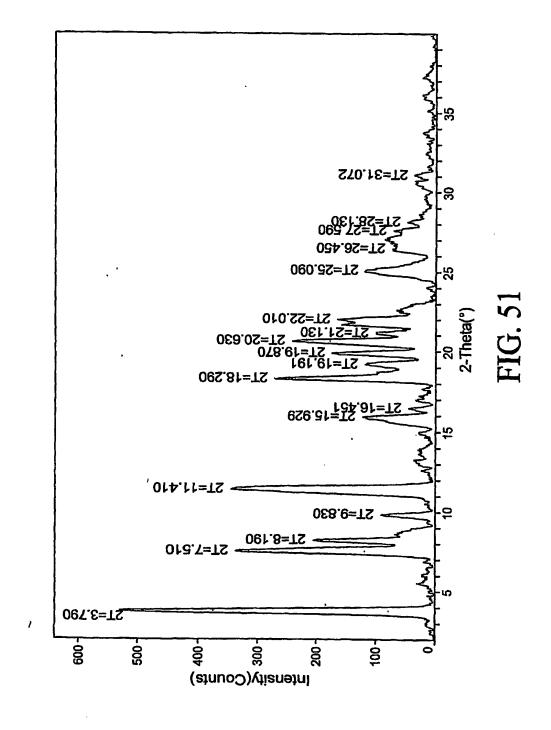




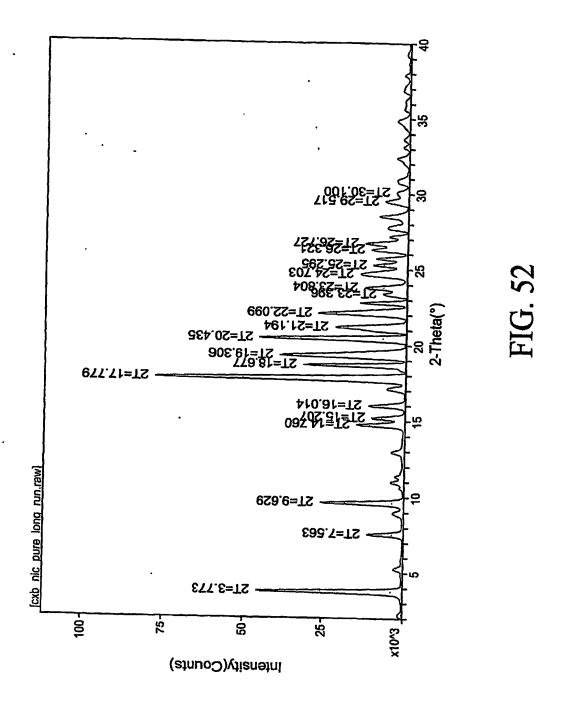
SUBSTITUTE SHEET (RULE 26)



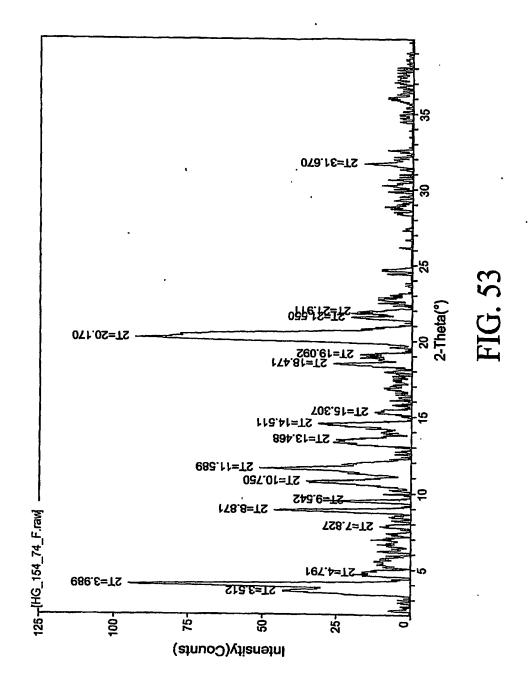
SUBSTITUTE SHEET (RULE 26)

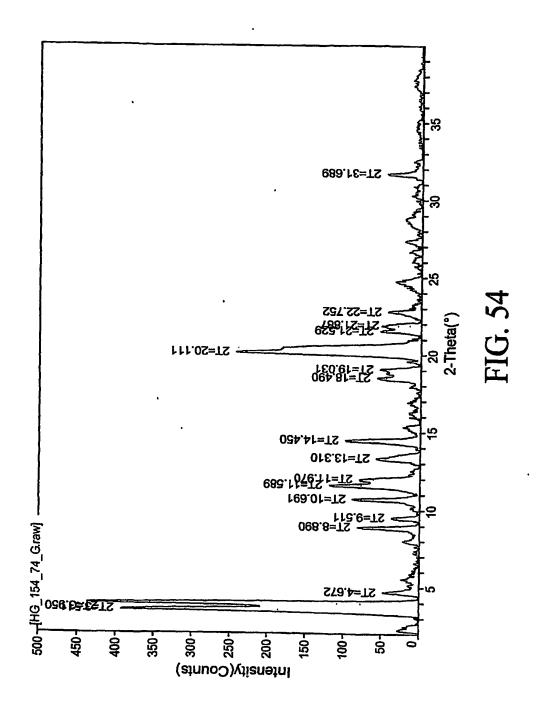


SUBSTITUTE SHEET (RULE 26)

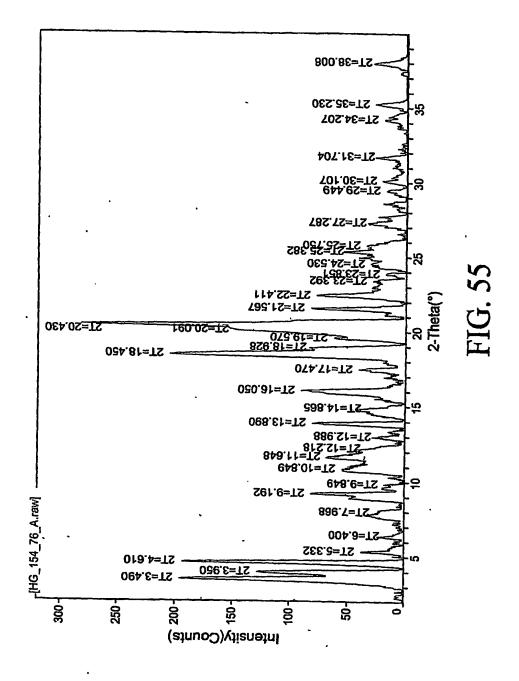


SUBSTITUTE SHEET (RULE 26)

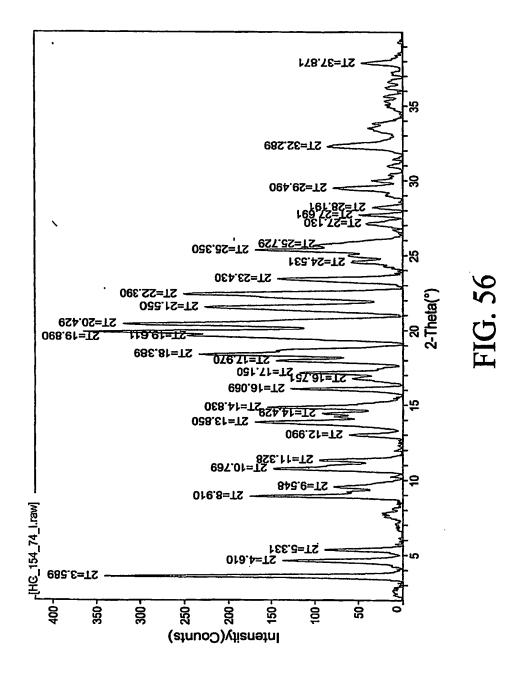




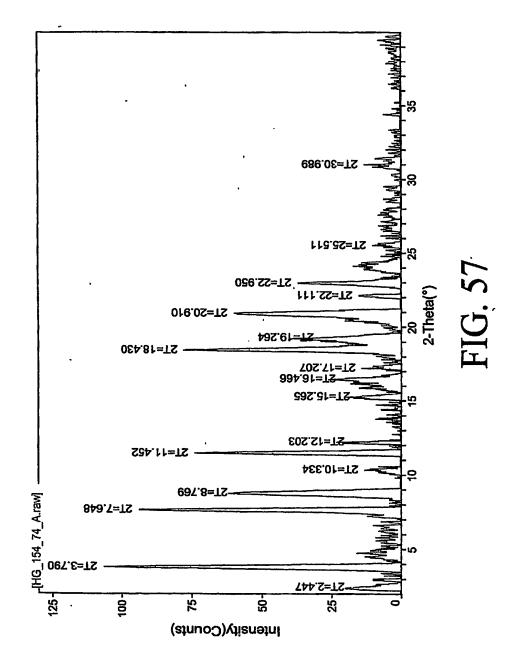
SUBSTITUTE SHEET (RULE 26)



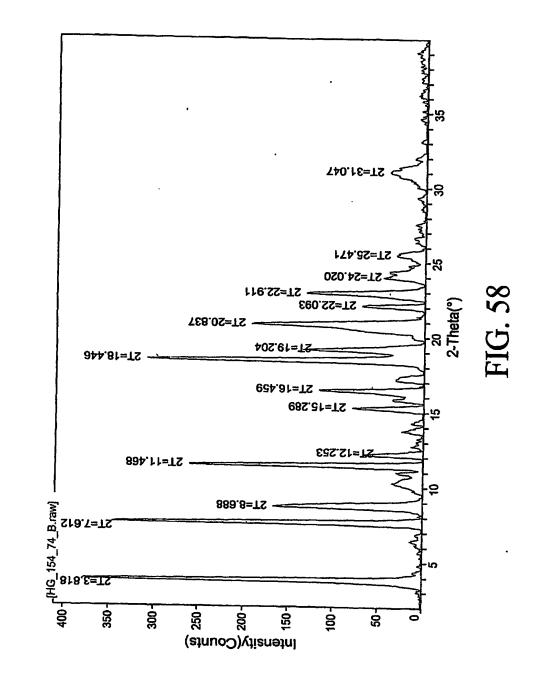
SUBSTITUTE SHEET (RULE 26)

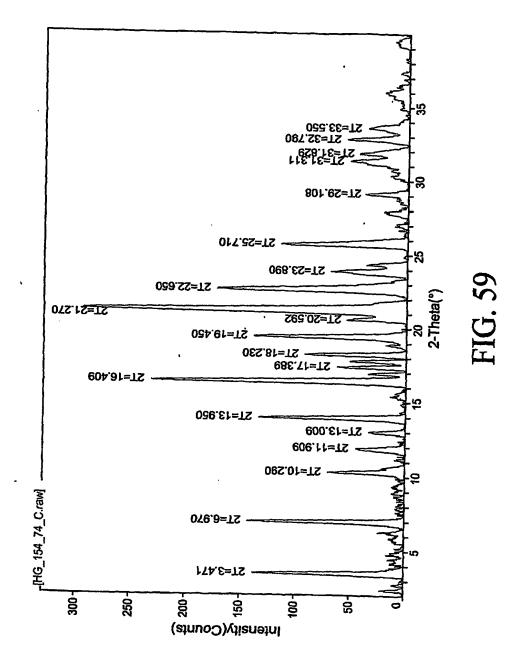


SUBSTITUTE SHEET (RULE 26)

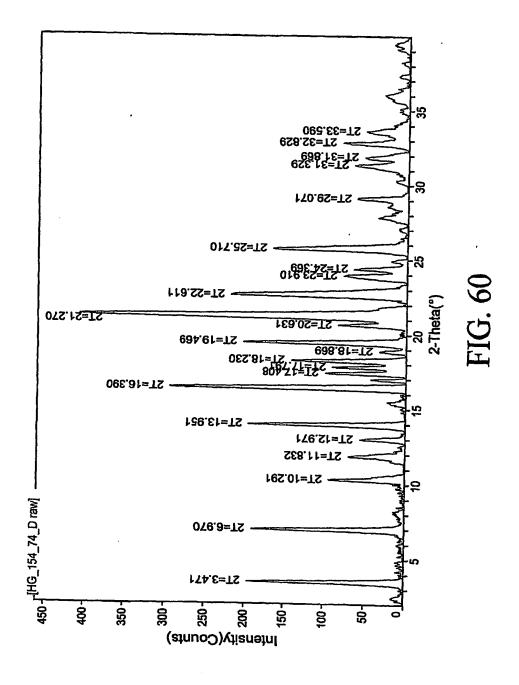


SUBSTITUTE SHEET (RULE 26)





SUBSTITUTE SHEET (RULE 26)



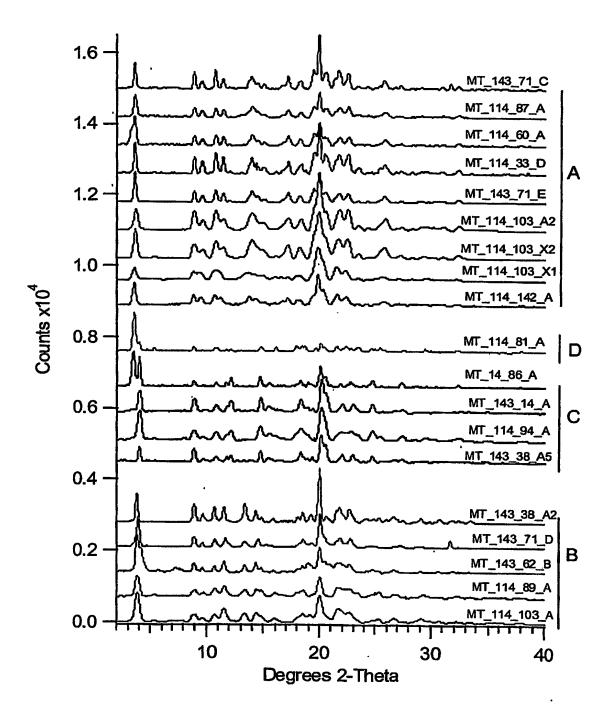
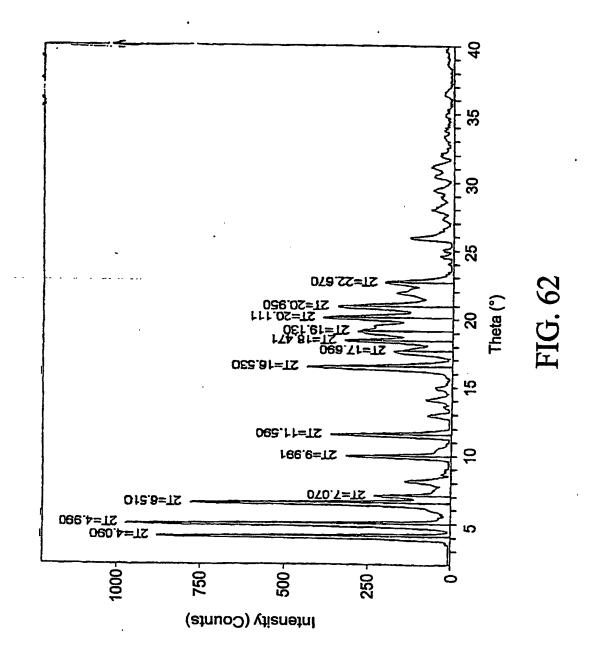
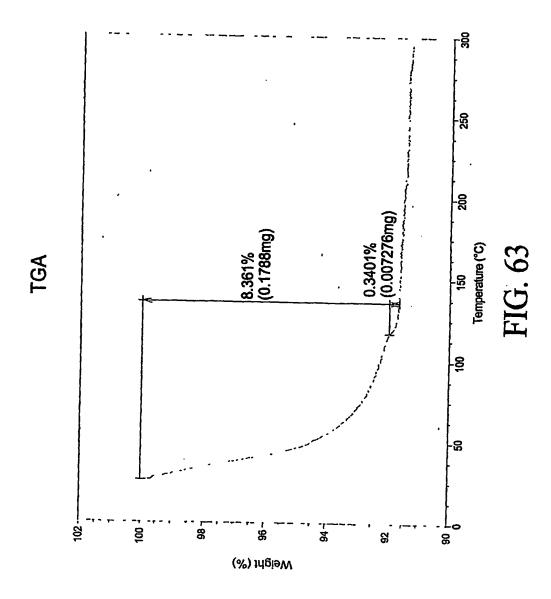


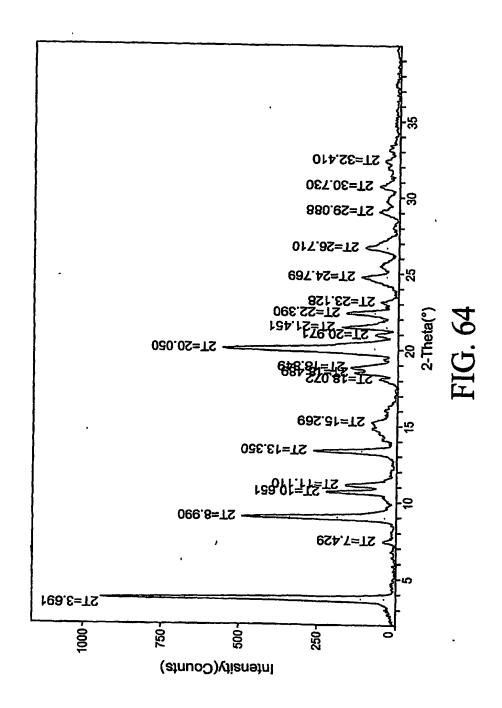
FIG. 61



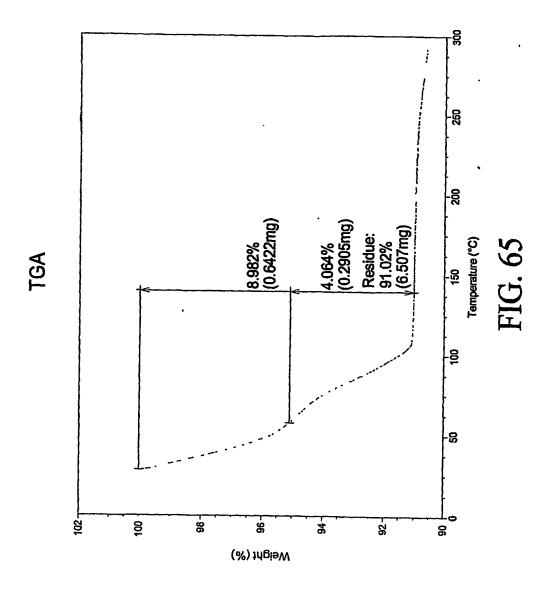
SUBSTITUTE SHEET (RULE 26)



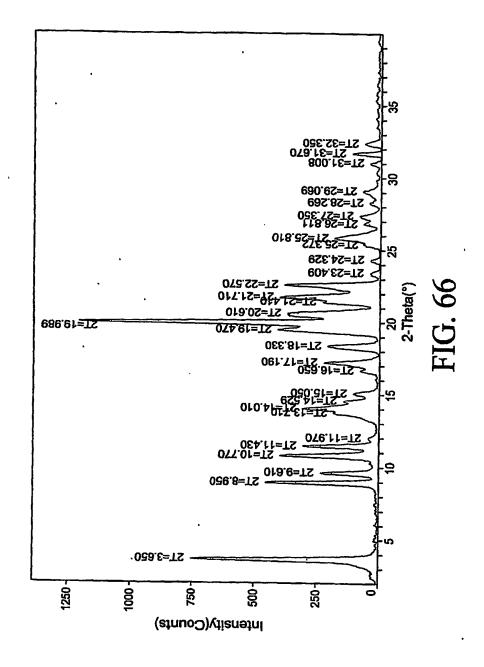
SUBSTITUTE SHEET (RULE 26)



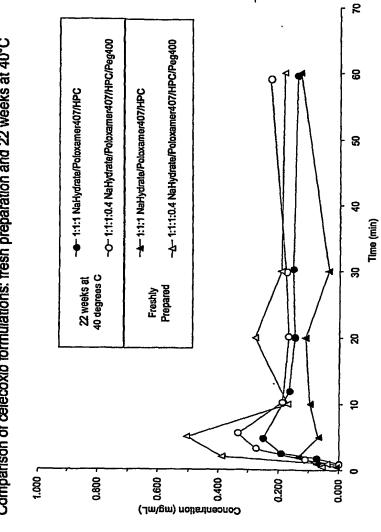
SUBSTITUTE SHEET (RULE 26)

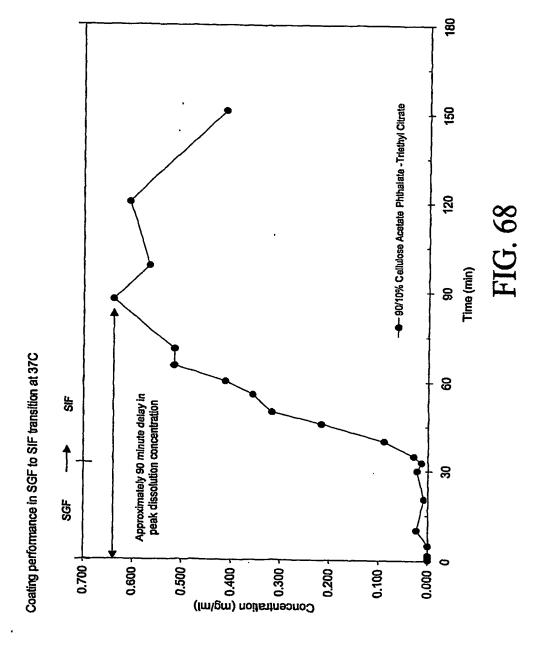


SUBSTITUTE SHEET (RULE 26)

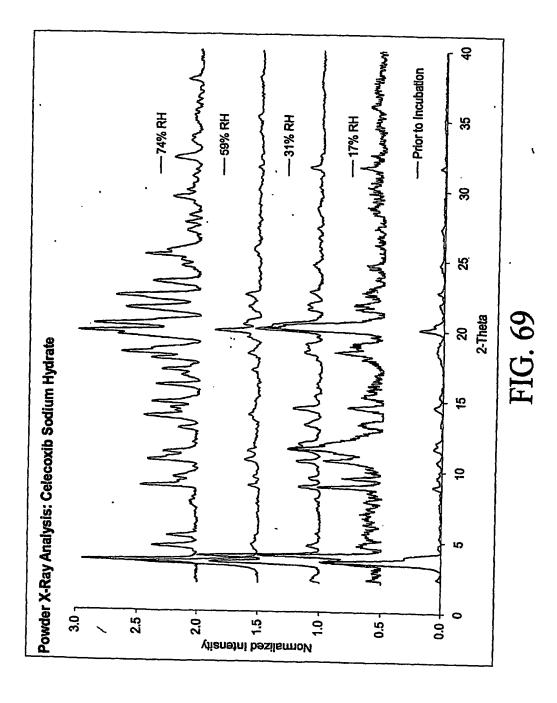


Comparison of celecoxib formulations: fresh preparation and 22 weeks at 40°C

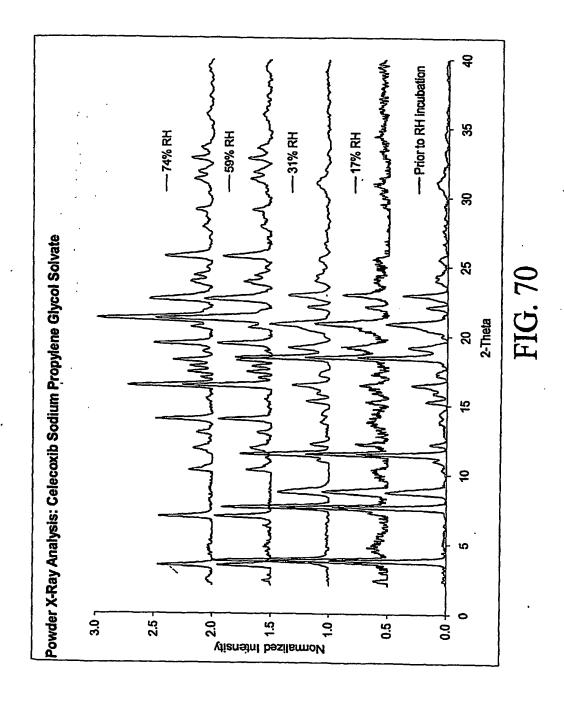




SUBSTITUTE SHEET (RULE 26)



SUBSTITUTE SHEET (RULE 26)



SUBSTITUTE SHEET (RULE 26)

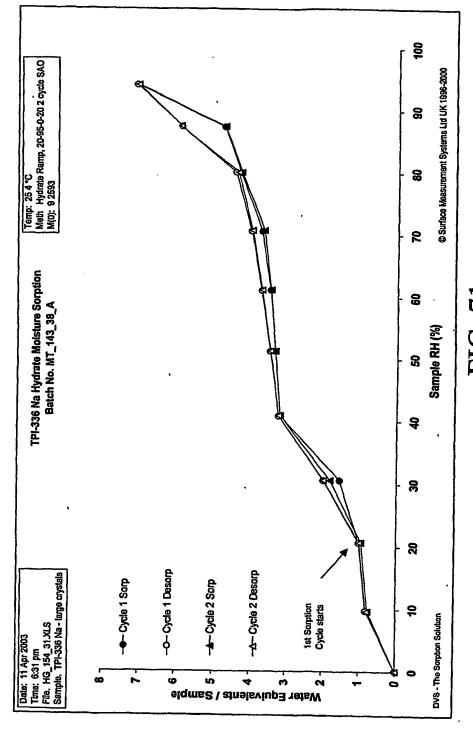


FIG. 7

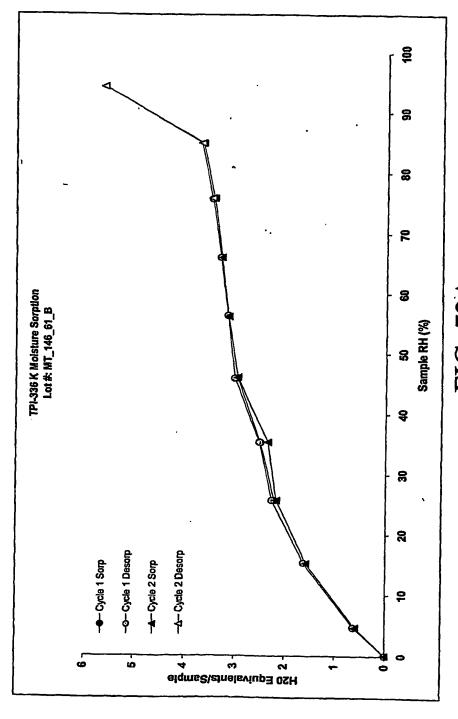


FIG. 72A

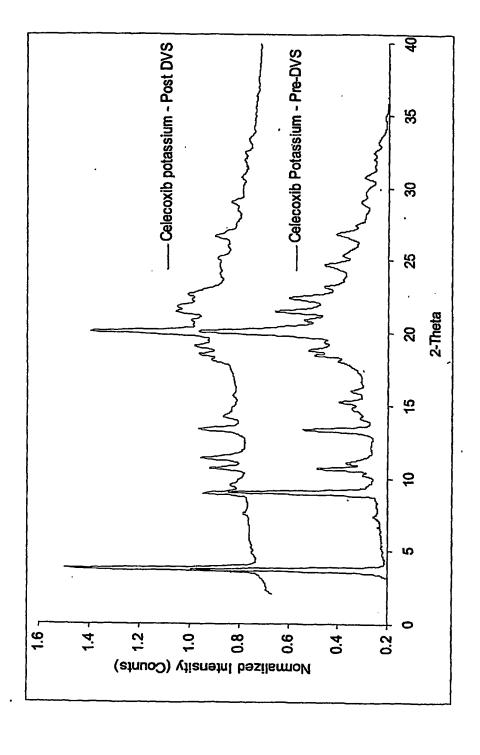


FIG. 72B

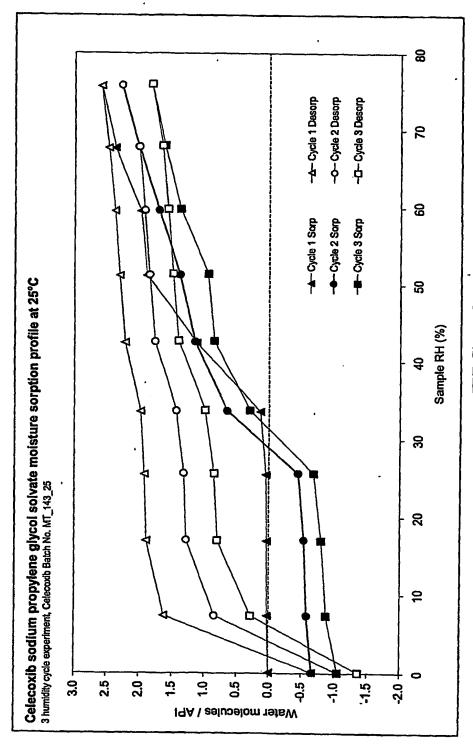


FIG. 73

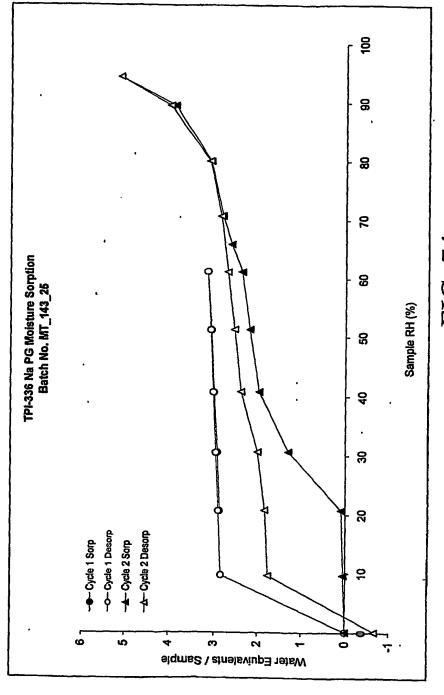


FIG. 74

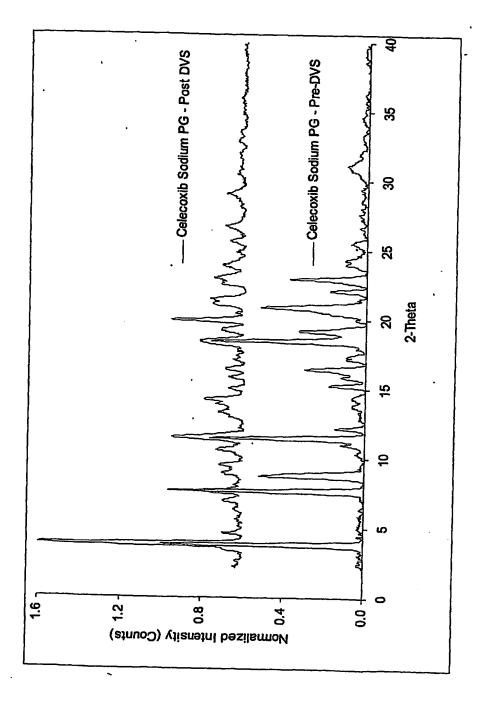
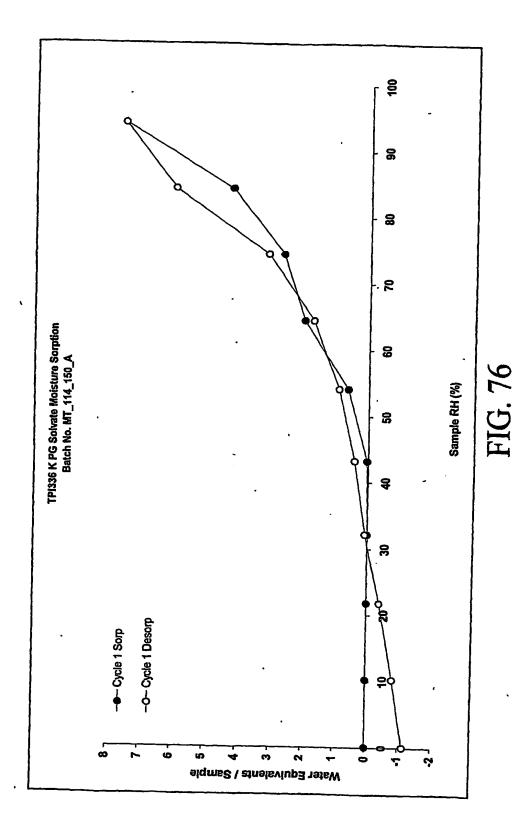
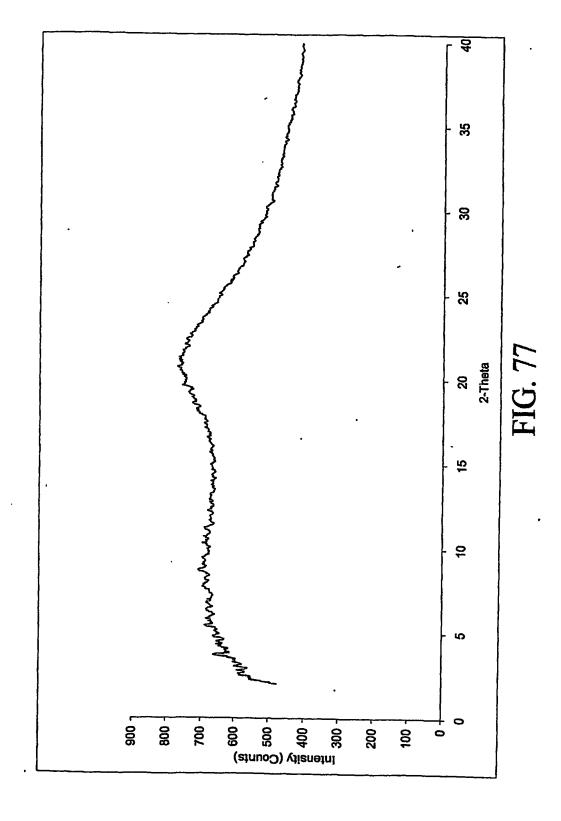


FIG. 75



SUBSTITUTE SHEET (RULE 26)



SUBSTITUTE SHEET (RULE 26)

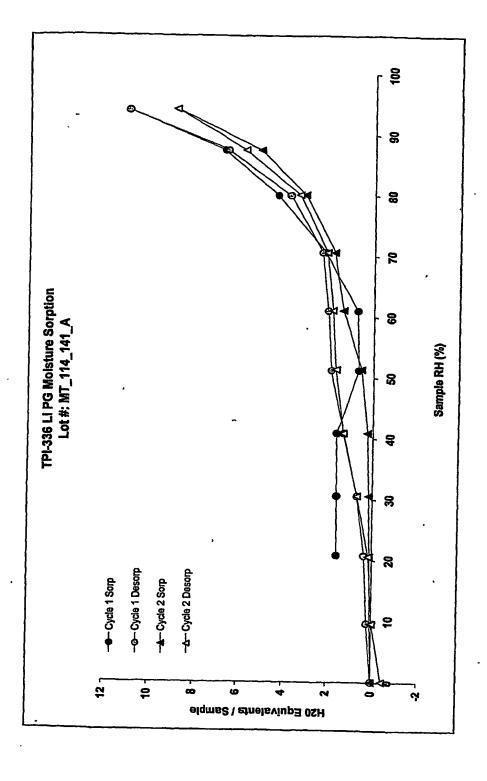


FIG. 78

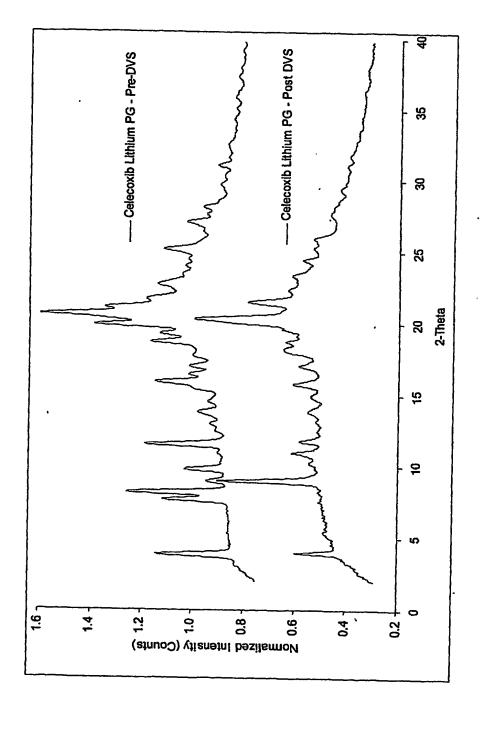
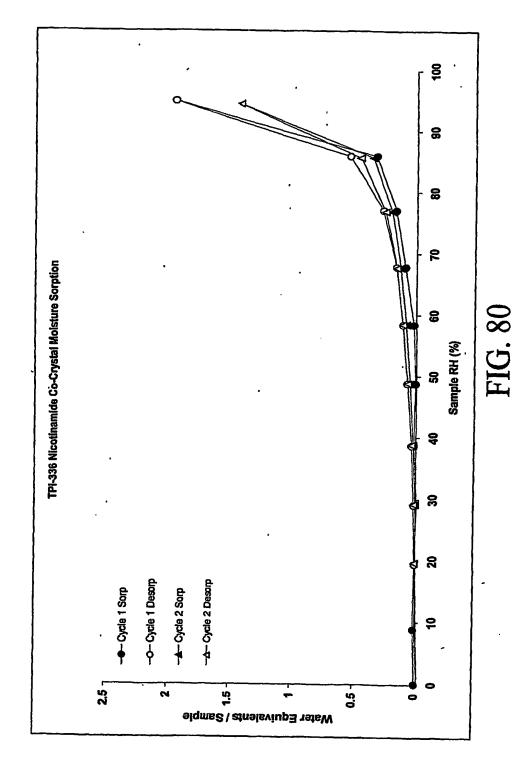
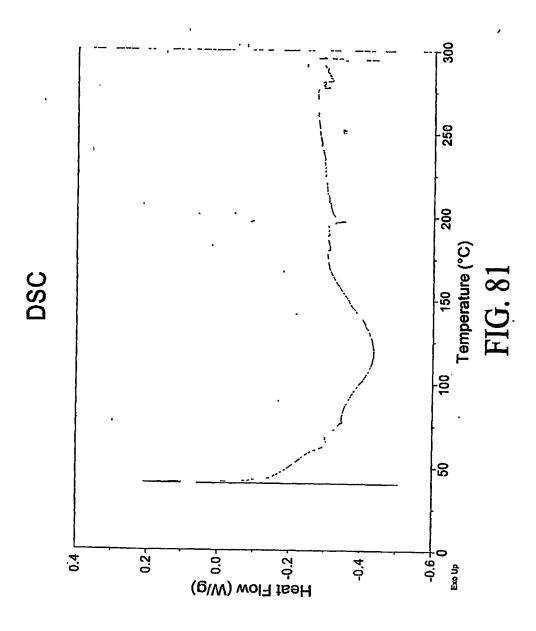


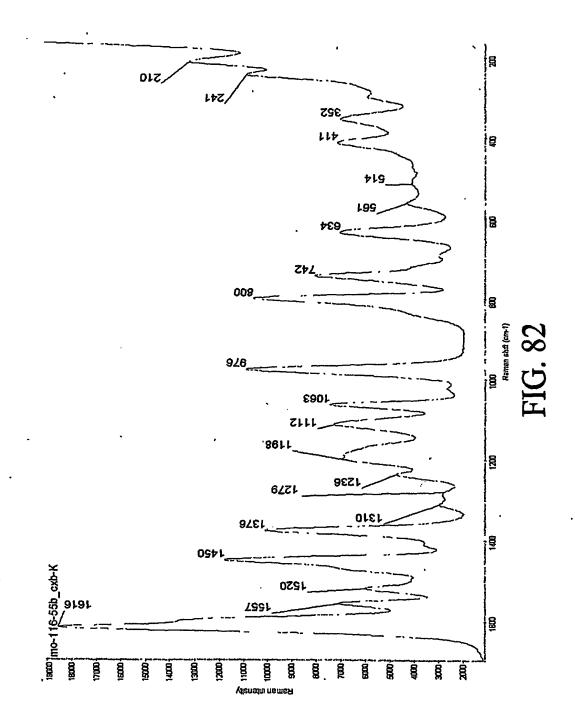
FIG. 79



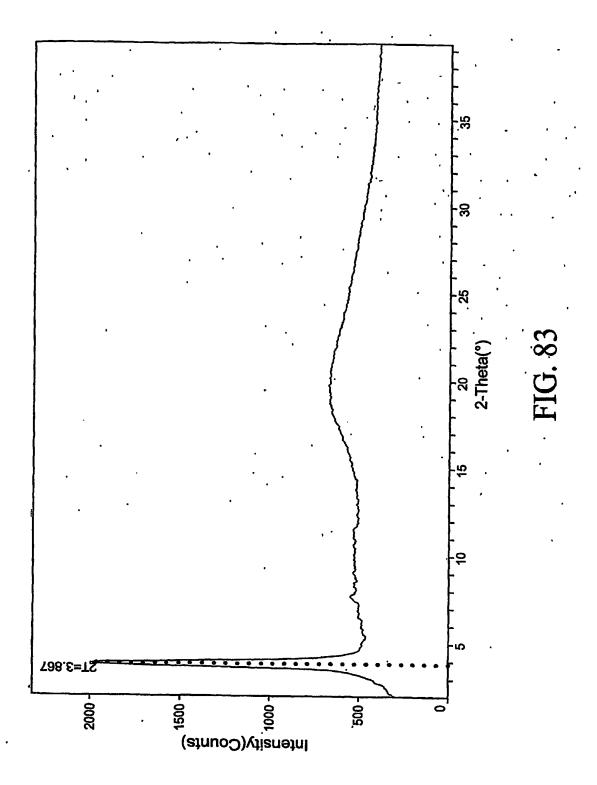
SUBSTITUTE SHEET (RULE 26)



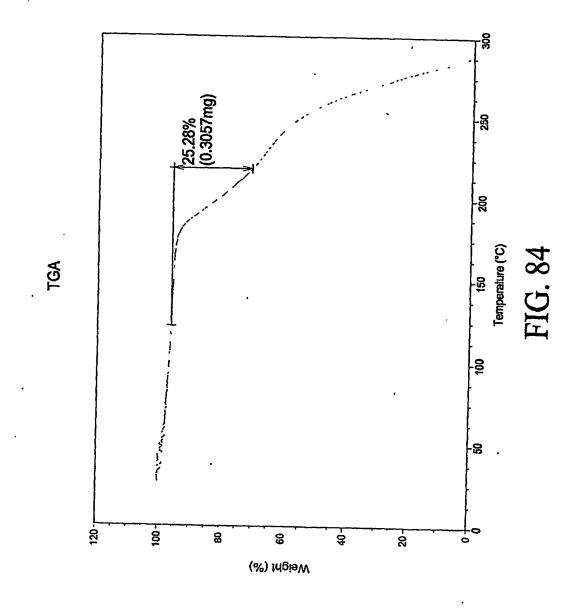
SUBSTITUTE SHEET (RULE 26)



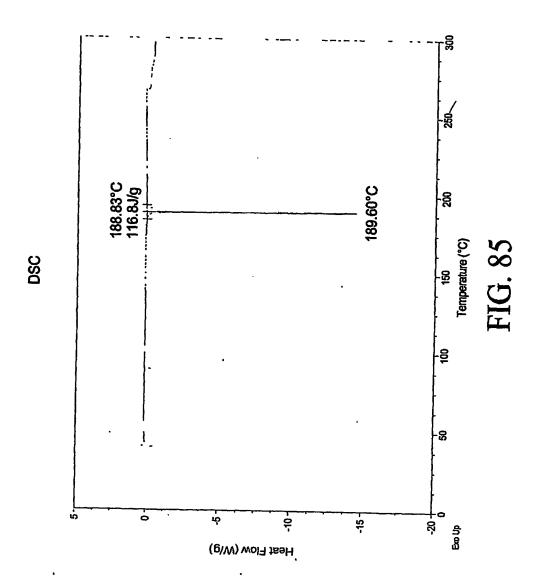
SUBSTITUTE SHEET (RULE 26)



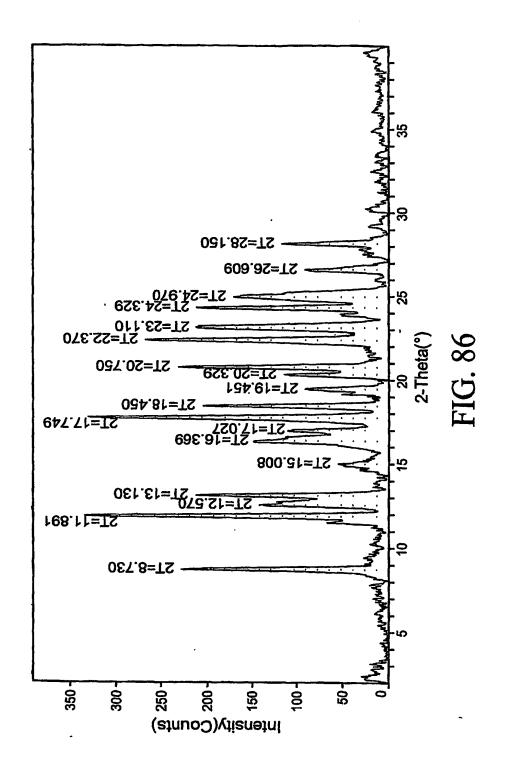
SUBSTITUTE SHEET (RULE 26)



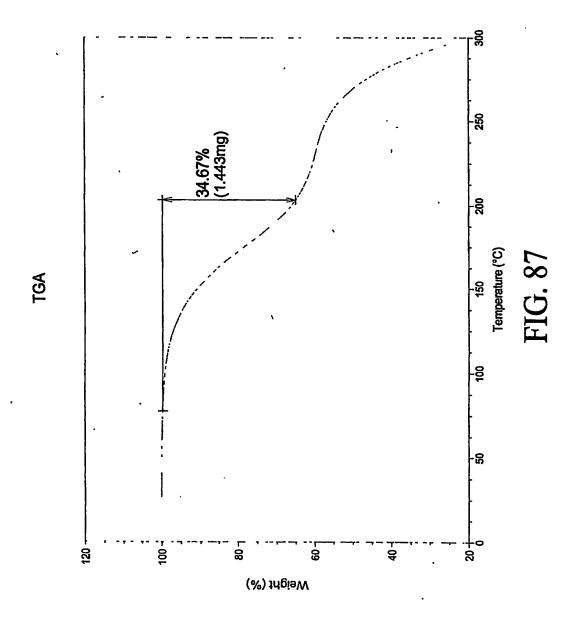
SUBSTITUTE SHEET (RULE 26)



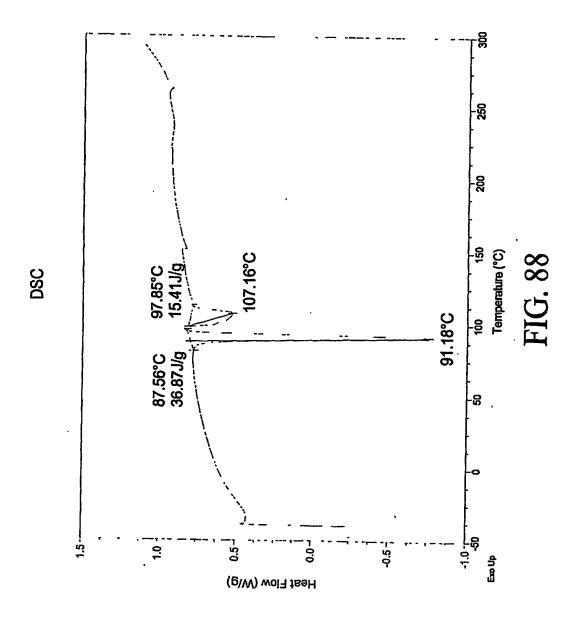
SUBSTITUTE SHEET (RULE 26)



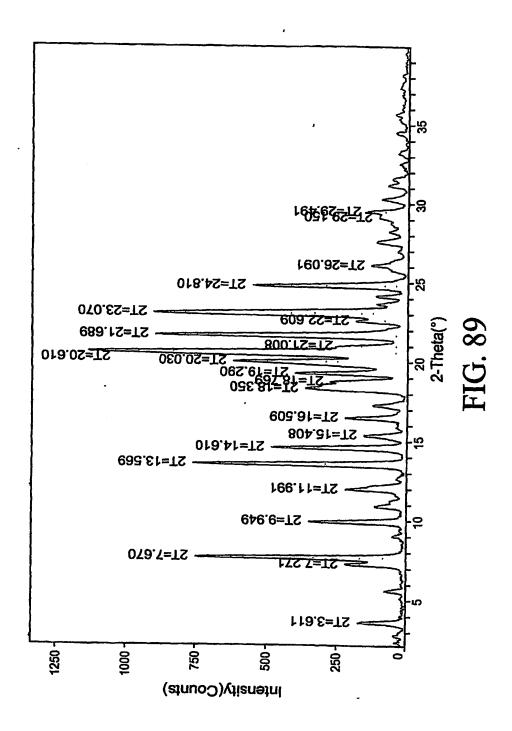
SUBSTITUTE SHEET (RULE 26)



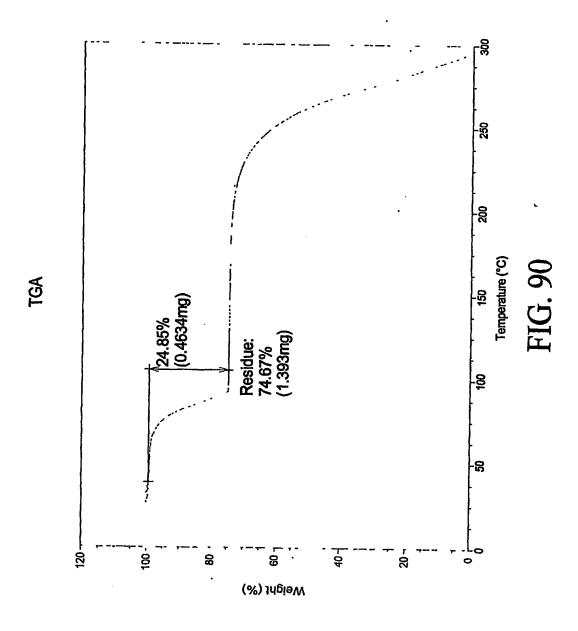
SUBSTITUTE SHEET (RULE 26)



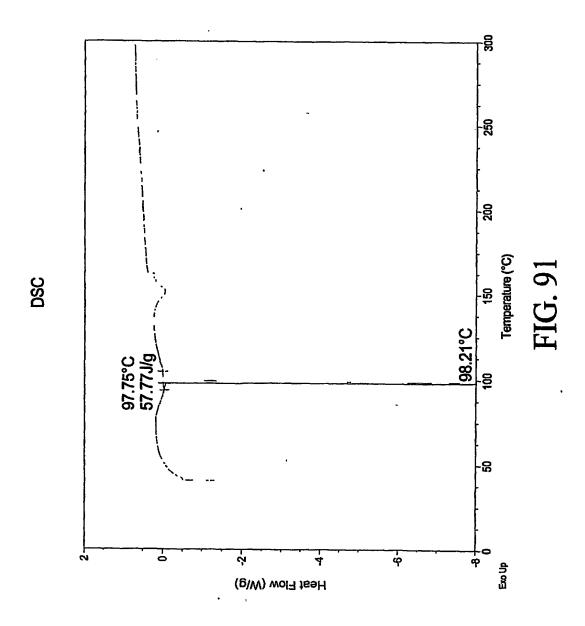
SUBSTITUTE SHEET (RULE 26)



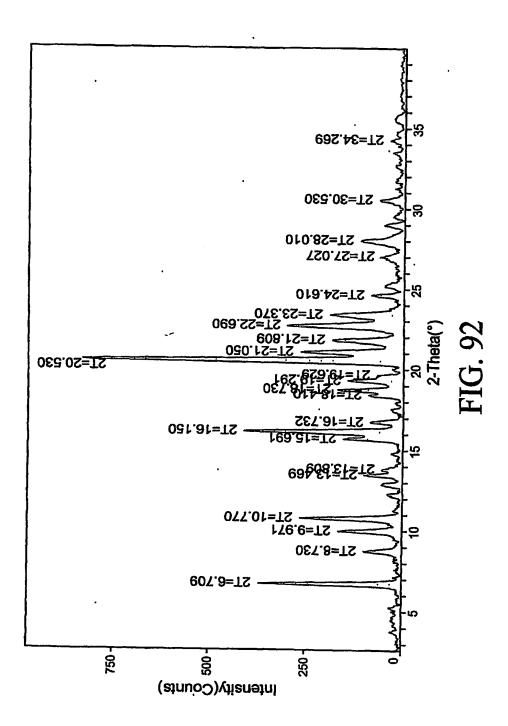
SUBSTITUTE SHEET (RULE 26)

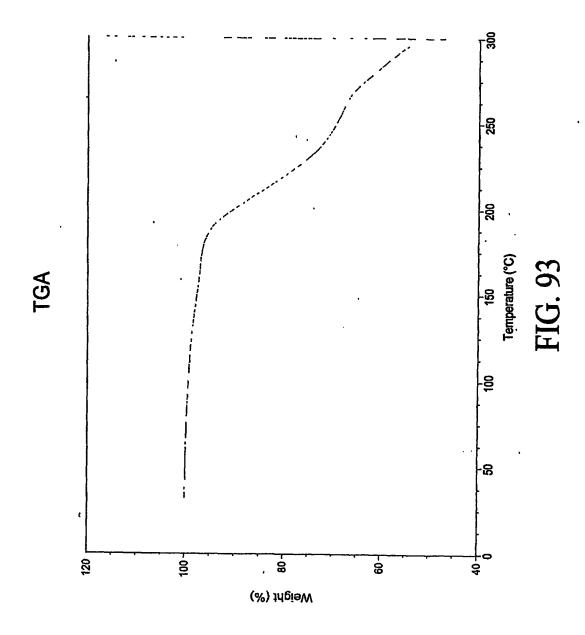


SUBSTITUTE SHEET (RULE 26)

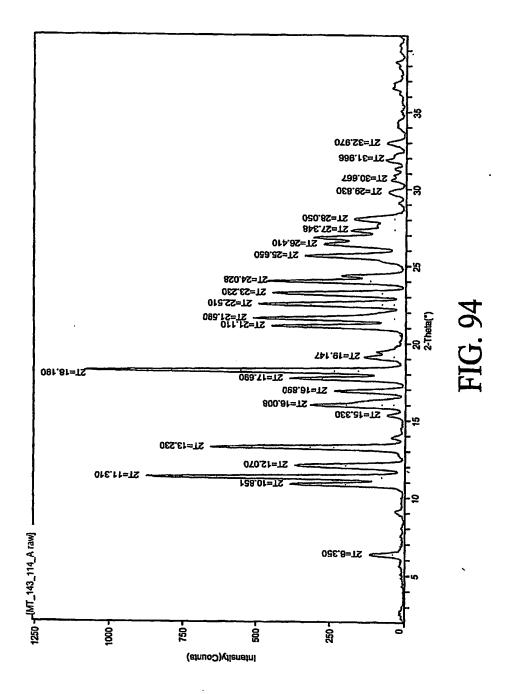


SUBSTITUTE SHEET (RULE 26)

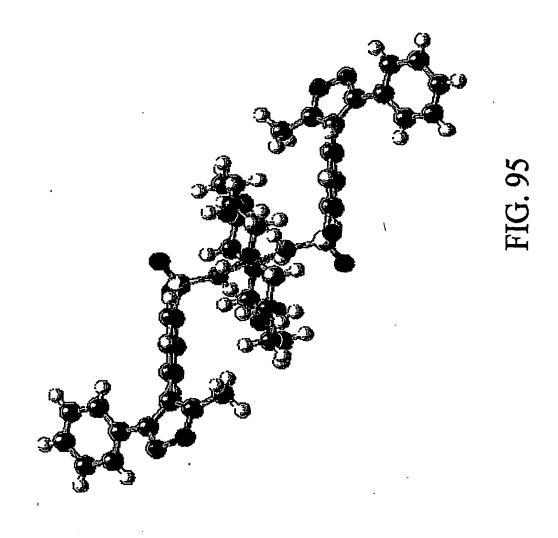


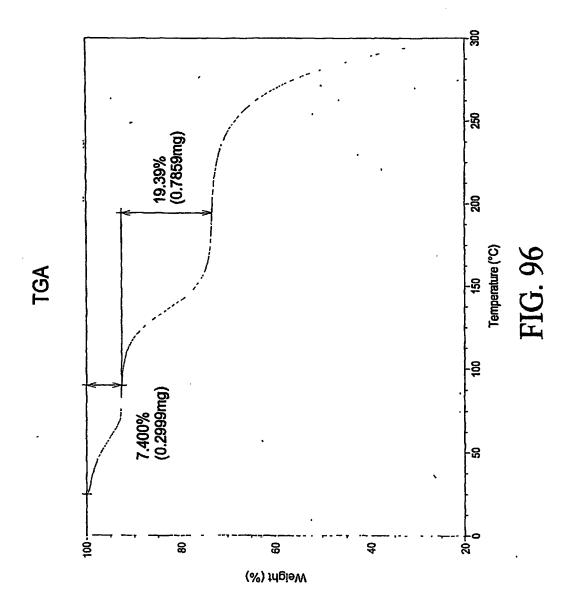


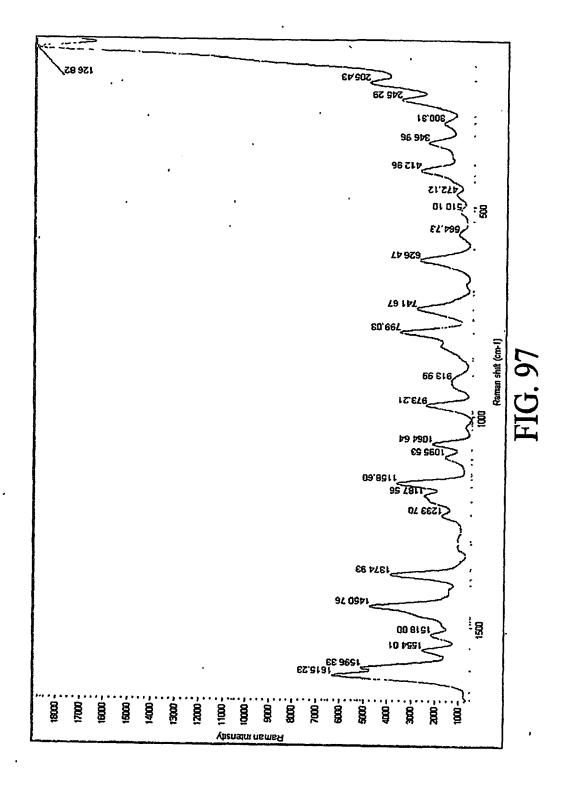
SUBSTITUTE SHEET (RULE 26)

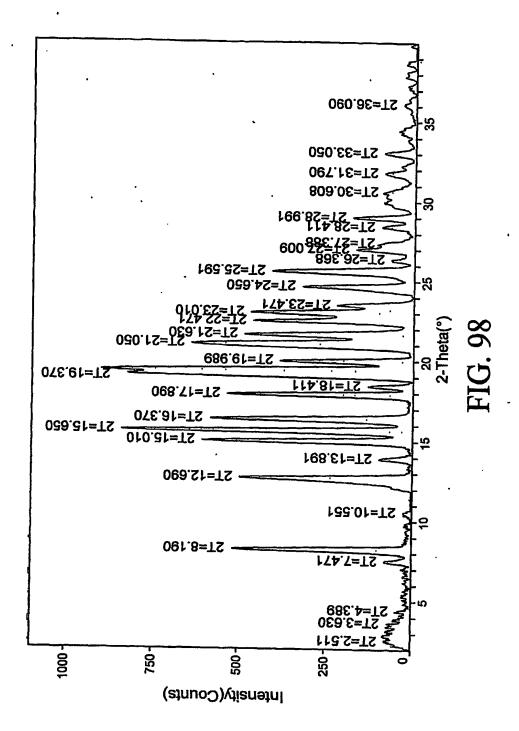


SUBSTITUTE SHEET (RULE 26)









SUBSTITUTE SHEET (RULE 26)

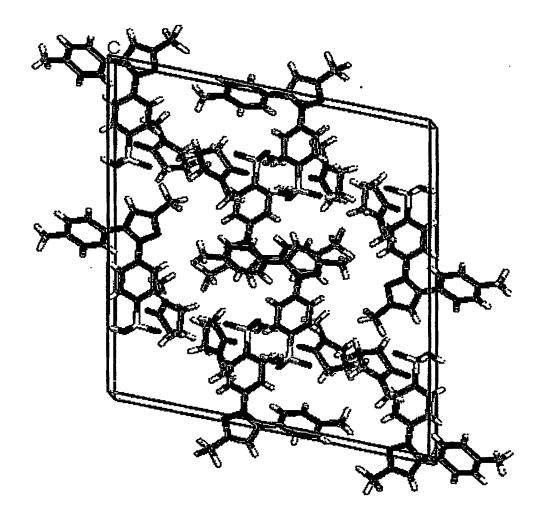
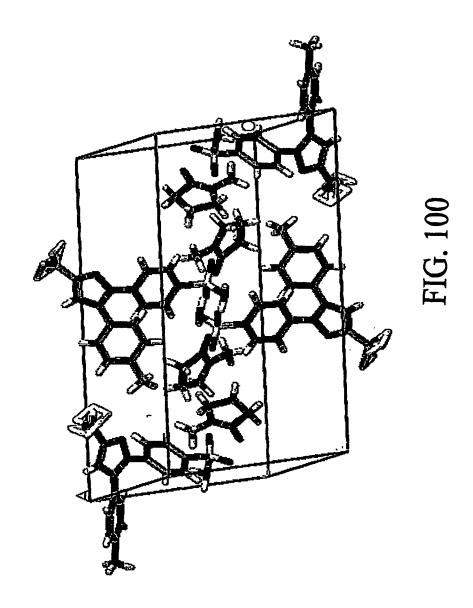
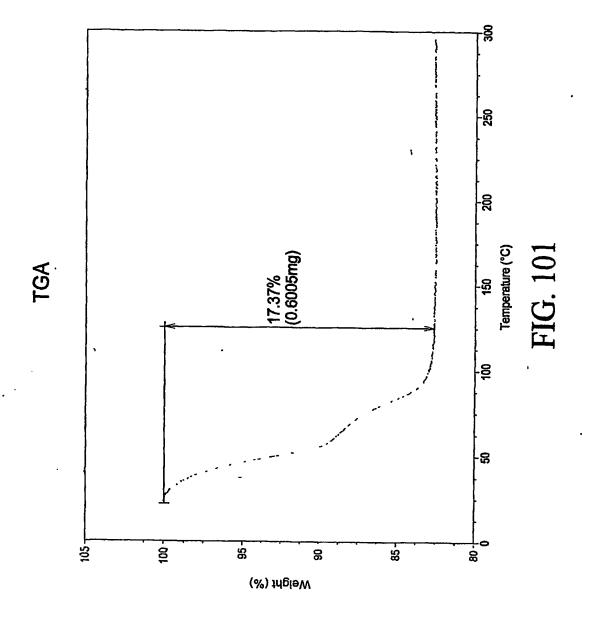


FIG. 99



PCT/US2003/041273



SUBSTITUTE SHEET (RULE 26)

